

CURRICULUM VITAE

Date: September 10, 2012

PERSONAL INFORMATION:

Name: Randy Q. Cron, M.D., Ph.D.
Citizenship: U.S.A.
Social Security Number: xxx-xx-xxxx



RANK/TITLE: Professor/Director, Division of Pediatric Rheumatology 2007
Director, Pediatric Rheumatology Fellowship Program 2009
Department: Pediatrics
Business Address: Children's of Alabama (CoA)
Department of Pediatrics, Division of Rheumatology
1601 4th Avenue South, Suite 210
Birmingham, AL 35233
Phone: (205) 996-9191

Secondary Appointment Professor 2009
Department: Medicine Division of Clinical Immunology and Rheumatology

Secondary Appointment Scientist 2008
UAB Center for AIDS Research (CFAR)

Secondary Appointment Faculty 2008
UAB Graduate Biomedical Sciences Program in Immunology

HOSPITAL AND OTHER (NON ACADEMIC) APPOINTMENTS:

Jan. 2008 – present Director, Pediatric Rheumatology Infusion Center, CoA
Aug. 2007 – present Director, Alabama Center for Childhood Arthritis & Rheumatic Disorders
July 2001 – June 2004 Co-Director, Pediatric Rheumatology Fellowship Program, CHOP
Oct. 1999 – July 2007 Assistant Physician, Children's Hospital of Philadelphia (CHOP)
Dec. 1998 – Oct. 1999 Staff Physician, Children's Hospital at Stanford

PROFESSIONAL CONSULTANTSHIPS

Systemic Juvenile Idiopathic Arthritis Advisory Board, Genentech, San Francisco, CA 2011-12
Systemic Juvenile Idiopathic Arthritis Advisor, Swedish Orphan Biovitrum, Chicago, IL 2011
Systemic Juvenile Idiopathic Arthritis Advisory Board, Novartis, New Orleans, LA 2012

EDUCATION:

University of California at Riverside	B.S. in Biomedical Sciences (with Honors)	1985
National Institutes of Health	HHMI Pre-doctoral Fellow/Scholar	1987
University of Chicago	Ph.D. in Immunology	1990
University of California at Los Angeles	M.D.	1991

LICENSURE:

California (G 076719), inactive
Washington (MD 00032040), inactive
Pennsylvania (MD 070025L), inactive
Alabama (MD.28205)

BOARD CERTIFICATION:

2005	Antonio J. Reginato Musculoskeletal Ultrasonography Course, Cooper University Medical Center (University of Medicine and Dentistry of New Jersey)
1998, 2005	Pediatric Rheumatology Board, ABP
1994, 2001	American Board of Pediatrics (ABP)
1991, 2004	Pediatric Advanced Life Support (PALS)

POSTDOCTORAL TRAINING:

1996-99	Howard Hughes Medical Institute Postdoctoral Fellow, Stanford University Medical Center, Stanford, CA
1994-97	Fellow in Pediatric Rheumatology, Children's Hospital & Medical Center, University of Washington, Seattle, WA
1992-94	Resident in Pediatrics, Stanford Children's Hospital, Stanford, CA
1991-92	Intern in Pediatrics, Stanford Children's Hospital, Stanford, CA

ACADEMIC APPOINTMENTS:

Oct. 2009 – present	Professor of Pediatrics and Medicine, UAB School of Medicine
Aug. 2007 – Oct. 2009	Associate Professor of Pediatrics and Medicine, University of Alabama at Birmingham School of Medicine
Oct. 1999 – July 2007	Assistant Professor of Pediatrics, University of Pennsylvania School of Medicine
Oct. 1999 – July 2007	Assistant Member, Joseph Stokes, Jr. Research Institute
Dec. 1998 – Oct. 1999	Clinical Instructor, Department of Pediatrics, Stanford University School of Medicine

AWARDS/HONORS:

1985	Watkins Award (outstanding male graduate), University of California at Riverside
1985	Summer Externship/Scholarship, Riverside Medical Clinic/University of California at Riverside, Biomedical Sciences Department
1986	Graduate Scholarship, The International Fraternity of Phi Gamma Delta
1986	Research Scholar, Howard Hughes Medical Institute/National Institutes of Health
1988	Lucille P. Markey Charitable Trust recipient, University of Chicago

- 1988 Dean's Fund recipient, University of Chicago
- 1991 Outstanding Performance in the Field of Immunology, University of Chicago
- 1996 Postdoctoral Research Fellowship, Howard Hughes Medical Institute
- 1997 Travel Award, American College of Rheumatology Research & Education Foundation
- 1997 Senior Scholar Award, American College of Rheumatology/Merck
- 1998 Child Health Research Center Scholar, Stanford University Medical Center
- 1999 Arthritis Foundation Investigator Award
- 1999 Elizabeth Glaser Pediatric AIDS Foundation Scholar
- 2000 Child Health Research Center Scholar, Children's Hospital of Philadelphia (CHOP)
- 2000 Junior Clinical Investigator Award, General Clinical Research Center, CHOP
- 2000 Doris Duke Charitable Foundation, Clinical Research Scientist, alternate recipient
- 2000 Searle Scholar, representative of the University of Pennsylvania Medical School
- 2000 MAPS-CHRC National Meeting, invited presenter
- 2001 Mary L. Smith Charitable Trust grant recipient
- 2001 Junior Faculty Exchange Program with EULAR, American College of Rheumatology/Merck
- 2002 Society for Pediatric Research Young Investigator Travel Award
- 2002 American Association of Immunologists Junior Faculty Travel Award
- 2002 Arthritis National Research Foundation grant recipient
- 2002 Dorrough Lupus Foundation grant recipient
- 2002 Society for Pediatric Research, elected member
- 2003 Arthritis Foundation, Travel Award, Arthritis Research Conference
- 2004 Nickolett Family Awards Program for JRA Research grant recipient
- 2004 The Ethel Brown Foerderer Fund for Excellence fellow/grant recipient
- 2005 Nickolett Family Awards Program for JRA Research grant recipient
- 2006 American Association of Immunologists Junior Faculty Travel Award
- 2006 Keynote Speaker, UMDNJ Department of Medicine Residents Research Day
- 2006 Kassie McMullen Biglaw Memorial Research Award, Lupus Foundation of America
- 2007 Inaugural Holder of Arthritis Foundation, Alabama Chapter Endowed Chair in Pediatric Rheumatology, University of Alabama at Birmingham School of Medicine
- 2011 American College of Rheumatology REF/AMGEN Pediatric Rheumatology Visiting Professor
- 2011 Nominee, Council member of Society for Pediatric Research (SPR)
- 2011 UAB Health Care Leadership Academy, selected member
- 2012 UAB Health Care Leadership Academy, elected to advisory board
- 2012 Alabama Society for Rheumatic Diseases, elected as President
- 2012 Senior Host, ACR/EULAR Exchange Program

PROFESSIONAL SOCIETIES:

- Alabama Society for the Rheumatic Diseases (2007-present)
 - President (2012-present)
- American Academy of Pediatrics
- American Association for the Advancement of Science
- American Association of Immunologists
 - Clinical Immunology Committee (2007-2010)
- American Board of Pediatrics

- General Pediatrics Board, question writer (1995-2006)
 - Pediatric Rheumatology Board, question writer (1999-2006)
- American College of Rheumatology, including Pediatrics subsection
- ACR/EULAR exchange group (2001-present)
 - Young Investigator Subcommittee, Committee on Research (2003-2008)
 - Juvenile Idiopathic Arthritis Treatment Guidelines, Core Expert Panel member (2009-present)
- American Medical Association
- AMIGO (ACR/CARRA Mentoring Interest Group), Mentor (2011-present)
- Arthritis Foundation
- Board of Directors, Alabama Chapter (2009-2010)
 - Alabama Advisory Board (2010-present)
 - Board of Directors, Southeast Region (2010-present)
- Childhood Arthritis & Rheumatology Research Alliance (CARRA) (2002-present)
- Regional Liaison Representative to the Arthritis Foundation (2011-present)
 - Protocol Development Committee, interim acting chairperson (2002-2004)
 - Lupus Scientific Priority Workgroup (2004-present)
 - Lupus Protocol Evaluation Subcommittee, Chairperson (2004-2005)
- Childhood Myositis Heterogeneity Collaborative Study Group (2006-present)
- International Collaborative Macrophage Activation Study Group, founder & acting chairperson (2006-present)
- Juvenile Arthritis Workgroup (JAW) for TMJ arthritis, founder and acting chairperson (2009-present)
- OMERACT – TMJ MRI reading in juvenile idiopathic arthritis (2012-present)
- Pediatric Rheumatology Collaborative Study Group (2004-present)
- Society for Pediatric Research (2002-present)
- Tri-State (PA, DE, NJ) Pediatric Rheumatology Study Group (1999-2007)

MEMBERSHIPS:

(University of Pennsylvania):

Center for AIDS Research (CFAR)
Center for Musculoskeletal Disorders
Comprehensive Cancer Center, Immunobiology (IMB) section
Immunology Colloquium
Lupus Research Working Group
Physician-Scientists/MD-PhD Program
Vaccines and Immune Therapies Affinity Group

(University of Alabama at Birmingham):

Center for AIDS Research (CFAR)
Comprehensive Arthritis, Musculoskeletal and Autoimmunity Center
Graduate Program in Immunology
T Cell Biology Group
Virology Discussion Group

COUNCILS AND COMMITTEES:

NIH/NIAMS R21 and R01 reviewer for RFA AR-03-005, "Microcirculation and Target Organ Damage in Rheumatic, Skin and Ocular Diseases", September 2003

NIH/NIAMS R01 Special Review Committee for a study of lupus in minorities, October 2003

Cornell University, Mary Kirkland Center for Lupus Research, ad hoc reviewer, November 2003

NIH/NIAMS R21 reviewer for RFA AR-04-002, "High Risk Rheumatologic and Musculoskeletal and Skin Disease Research", May 2004

NIH/NIDDK P01 reviewer (special emphasis panel) for studies related to ANCA glomerulonephritis, April 2005

NIH/Pediatric Scientist Development Program, ad hoc reviewer, May 2005

Penn Center for AIDS Research, ad hoc grant reviewer for Pilot and Feasibility grants, May 2005

NIH/NIAMS R03 reviewer, Special Emphasis Panel, July 2006

US Immunodeficiency Network (USIDNET) Consortium, Scientific Review Committee, 2007-present

UAB Children's Center for Research & Innovation, grant reviewer, 2007, 2009, 2010

Lupus Research Institute, Scientific Review Committee, September 2008

UAB Rheumatic Diseases Core Center Pilot Grants, Scientific Review Committee, August 2009

Arthritis Foundation, Juvenile Arthritis Innovative Research Grants, Scientific Review Committee, February 2010

Alpha Omega Alpha, Carolyn L. Kuckein Student Research Fellowships, grant reviewer, March 2011

Parent Bridge programme, Foundation for Polish Science, grant reviewer, June 2011, December 2011

Lupus Foundation of America, National Research Program, grant reviewer, July 2011

UAB Immunology, Autoimmunity, Transplantation Committee, grant reviewer, August and October 2011

American College of Rheumatology (ACR) Research and Education Foundation (REF) basic science study section member/grant reviewer, September 2011-2013

Comparative Effectiveness Research conducted by the Effective Health Care Program, clinician research summary reviewer, September 2011

Arthritis Foundation, Post-doctoral Fellowships, grant reviewer, September 2012

UNIVERSITY ACTIVITIES:

(University of Washington):

1. Interviewer, Department of Pediatrics Residency Program, Children's Hospital & Medical Center, Seattle, WA, 1996

(Stanford University):

2. Interviewer, Department of Pediatrics Residency Program, Stanford Children's Hospital, Palo Alto, CA, 1998

(University of Pennsylvania):

3. University of Pennsylvania John Morgan Pre-Health Society Doctor-Shadowing Program, mentor, December, 2000-2007
4. Member, Curriculum Committee for University of Pennsylvania Immunology Graduate Group, 2000-2005
5. Co-director, Pediatric Rheumatology Fellowship Program, 2001-2004
6. Member, Student Affairs Committee for University of Pennsylvania Immunology Graduate Group, 2001-2006
7. Interviewer, Department of Pediatrics Residency Program, Children's Hospital of Philadelphia, Philadelphia, PA, 2001-2007
8. Interviewer, Immunology Graduate Group, University of Pennsylvania, 2002-2007
9. Host, Academic Interest Table, MD/PhD (combined degree) annual retreat, 2002-2004
10. Foerderer Fund for Excellence, Medical Advisory Committee, CHOP, 2003
11. Mentor, Children's Hospital of Philadelphia, Residency Mentoring Program, 2003
12. University of Pennsylvania, AMSA (American Medical Student Association) Physician Shadowing, 2005-2007
13. Develop/organize Vaccines and Immune Therapies Affinity Group lecture series, 2005-2007
14. Develop/maintain Vaccines and Immune Therapies Affinity Group website, 2005-2007
15. Advisory Board member, Rheumatology P50 grant application, 2005
16. Interviewer, VMD/PhD Program, University of Pennsylvania School of Veterinary Medicine, 2007

(University of Alabama at Birmingham):

17. Children's Center for Research & Innovation, grant reviewer, 2007, 2009, 2010
18. Committee for faculty recruitment to adult Rheumatology Division at UAB, 2007-present
19. Executive Committee Member for the UAB Rheumatic Diseases T32 training grant, 2007-present
20. Co-Study Coordinator, SISCAR (Severe Immunosuppression with Stem Cell Rescue for Systemic JIA), 2007-2009
21. Reviewer, patient eligibility for National Collaborative Study of Stem Cell Transplantation for Autoimmune Disease, FHCRC Protocol #1353 – Pediatric Autoimmune Diseases, 2007
22. Chairperson, Committee for faculty recruitment to the Division of Pediatric Rheumatology at UAB, 2008-2011
23. Interviewer, Department of Pediatrics Residency Program, Children's Hospital of Alabama, Birmingham, AL, 2008-present

24. UAB Arthritis and Musculoskeletal Center Steering Committee, 2009-present
25. Presenter, Children's Hospital of Alabama Pediatrics Residency Research Mentor Day, 2009
26. Mentor, UAB Summer Premedical Student Program (doctor shadowing), Ms. Tishi Shah, 2009
27. Committee for faculty recruitment to Pediatric Endocrinology Division at UAB, 2009-present
28. Mentor, UAB Summer Premedical Student Program (doctor shadowing), Mr. Kishorbhai Gangani, 2010
29. Pediatric Rheumatology Medical Service Representative for iConnect Computerize Physician Order Entry (CPOE), 2009-present
30. Member, UAB Distinguished Faculty Lecturer Committee, 2010-present, champion for candidate, Dr. Sergio Stagno, 2012
31. Reviewer, scientific abstracts for oral presentations, UAB Medical Student Research Day, 2010
32. Pediatric Residency Recruiting Committee, 2010-present
33. UAB Arthritis and Musculoskeletal Center Training Program Steering Committee, 2010-present
34. UAB CFAR Internal Advisory Core Directors Committee, 2010-present
35. UAB Immunology, Autoimmunity, Transplantation Steering Committee, 2010-present
36. UAB Immunology, Autoimmunity, Transplantation Steering Committee, Adaptive Immunology Work Group, 2011-present
37. Interviewer, UAB, Medical Scientist Training Program, 2011
38. Interviewer, UAB Immunology Theme Graduate Student Program, 2011-present
39. Member, NIAMS Multidisciplinary Clinical Research Center (MCRC) Committee, 2011-present
40. Judge, Poster exhibits for Graduate Biomedical Sciences first year theme students, 2011
41. Interviewer, UAB Pathobiology & Molecular Medicine Graduate Student Program, 2012
42. Member, UAB Clinical Immunology & Rheumatology MCRC Executive Committee, 2012-present
43. Mentor, UAB Pediatrics Child Health Research Center Development Award, K12, 2012-present
44. Member, UAB Healthcare Leadership Academy Advisory Board, 2012-present

EDITORIAL BOARD MEMBERSHIPS:

Arthritis and Rheumatism, Advisory Editor, 2007-2010

Clinical and Diagnostic Laboratory Immunology, 2002-2005

Clinical and Vaccine Immunology, 2006-2010

Genes and Immunity, 2002-present

Journal of Immunology, Associate Editor, 2005-2008

Pediatric Rheumatology, Section Editor, 2007-present; Senior Editor, 2008-present

Pediatric Rheumatology Online Journal, Basic Science Editor, 2002-2006

MAJOR RESEARCH INTERESTS:

1. Dysregulation of CD154 in systemic lupus erythematosus.
2. Gene therapy for X-linked Hyper-IgM Syndrome (CD154 deficiency).
3. CD4 T cell host factor regulation of HIV-1 LTR transcriptional activity.
4. Opposing roles of NFAT2 and FOXP3 transcription factors in CD4 T cell effector function.
5. Diagnosis and treatment of temporomandibular joint arthritis in juvenile idiopathic arthritis.
6. Diagnosis and treatment of macrophage activation syndrome in rheumatic disorders.

TEACHING EXPERIENCE:

CME/GRAND ROUNDS/EDUCATIONAL LECTURES:

(University of Washington):

1. Lecturer, "A Seven Year Experience of Pediatric Sarcoidosis at Children's Hospital and Medical Center, Seattle" - Pediatric Grand Rounds, Seattle, Washington, March, 1995

(Stanford University):

2. Faculty, "Pediatric Rheumatology for the Adult Rheumatologist", CME course, UC San Francisco, CA, April, 1999

(University of Pennsylvania):

3. Lecturer, "A Case of Atypical Kawasaki Disease" - Pediatric Grand Rounds, Children's Hospital of Philadelphia, April 2000
4. Faculty/Lecturer, "Pediatric Rheumatology", Pediatric Refresher/CME Course, Children's Hospital of Philadelphia, September 2000-2004
5. Lecturer, "Children with Rheumatic Diseases, Not Just Small Adults", Internal Medicine Rheumatology Conference, University of Pennsylvania School of Medicine, November 2000
6. Lecturer, "Pediatric Rheumatology", Senior Pediatric Residents review course, Children's Hospital of Philadelphia, May 2001
7. Lecturer, "Juvenile Connective Tissue Diseases", First Year Rheumatology Fellows Conference, University of Pennsylvania, July 2001-2006
8. Lecturer, "Treatment for JRA in the New Millennium", Internal Medicine Rheumatology Conference, University of Pennsylvania School of Medicine, September 2001
9. Lecturer, "Update – General Rheumatology for the Primary Care Physician", Pediatric Grand Rounds, Delaware Valley Medical Center, Philadelphia, PA, September 2002
10. Lecturer, "CD154 Regulation and SLE", Internal Medicine Rheumatology Conference, University of Pennsylvania School of Medicine, November 2003
11. Specialist, PediaPredd Resident Conference covering Rheumatology, February 2004
12. Lecturer, "Current Therapy for JIA" - Lehigh Valley Pediatric Grand Rounds, Allentown, PA, September 2004
13. Lecturer, "JIA and Treatment Options", Interventional Radiology Conference, Children's Hospital of Philadelphia, October 2004
14. Lecturer and Faculty, "Interpretation of Commonly Ordered Laboratory Tests" for "The Pediatric and Adolescent Rheumatology: Practical Guidelines for the Primary Care Clinician Conference", A.I. Dupont Children's Hospital, DE, October 2004

(University of Alabama at Birmingham):

15. Lecturer, "Juvenile Connective Tissue Disease - I", for adult Rheumatology Fellow's conference, University of Alabama at Birmingham, Birmingham, AL, December 2007
16. Lecturer, "Juvenile Connective Tissue Disease", for Pediatric Residents' education, Children's Hospital of Alabama, Birmingham, AL, January 2008
17. Lecturer, "JIA, an Update on Classification, Diagnosis, and Treatment", Department of Orthopedics Seminar, Children's Hospital of Alabama, Birmingham, AL, January 2008

18. Lecturer, "Juvenile Connective Tissue Disease - II", for adult Rheumatology Fellow's conference, University of Alabama at Birmingham, Birmingham, AL, May 2008
19. Lecturer, "Macrophage Activation Syndrome", University of Alabama at Birmingham School of Medicine, Allergy/Immunology Fellow's Conference, October 2008
20. Lecturer, "Juvenile Idiopathic Arthritis: An Update on Classification and Therapy", Rheumatology CME course, Huntsville, AL, February 2009
21. Lecturer, "Pediatric Rheumatology Oddities and Rarities", for Pediatric Residents' education, Children's Hospital of Alabama, Birmingham, AL, February 2009
22. Lecturer and Faculty, "Juvenile Idiopathic Arthritis: An Update on Classification and Therapy", for The Pediatric Allergy, Immunology, & Rheumatology CME Updates, Children's Hospital of Alabama, Birmingham, AL, February 2009
23. Lecturer, "Be Afraid, Be Very Afraid of Macrophage Activation Syndrome", UAB Medicine, Pulmonary/Critical Care conference, April 2009
24. Lecturer, "Juvenile Connective Tissue Disease", for senior Pediatric Residents' boards review, Children's Hospital of Alabama, Birmingham, AL, May 2009
25. Lecturer, "Juvenile Idiopathic Arthritis", for adult Rheumatology Fellow's conference, University of Alabama at Birmingham, Birmingham, AL, August 2009
26. Lecturer and Faculty, "Temporomandibular Joint Arthritis in Juvenile Idiopathic Arthritis – A Common Occurrence", for The Pediatric Allergy, Immunology, & Rheumatology CME Updates, Children's Hospital of Alabama, Birmingham, AL, April 2010
27. Lecturer, "JIA, an Update on Classification, Diagnosis, and Treatment", for adult Rheumatology Fellow's conference, University of Alabama at Birmingham, Birmingham, AL, August 2010
28. Lecturer, "Juvenile Connective Tissue Disease", for senior Pediatric Residents' boards review, Children's Hospital of Alabama, Birmingham, AL, December 2010
29. Lecturer and Faculty, "Be Afraid, Be Very Afraid of Macrophage Activation Syndrome", for The Pediatric Allergy, Immunology, & Rheumatology CME Updates, Children's Hospital of Alabama, Birmingham, AL, May 2011
30. Lecturer, "Be Afraid, Be Very Afraid of Macrophage Activation Syndrome", for adult Rheumatology Fellow's conference, University of Alabama at Birmingham, Birmingham, AL, August 2011
31. Lecturer, "Be Afraid, Be Very Afraid of Macrophage Activation Syndrome", for adult Rheumatology Fellow's conference, University of Alabama at Birmingham, Birmingham, AL, July 2012
32. Lecturer and Faculty, "TMJ Arthritis in Pediatric Inflammatory Arthropathies", Temporomandibular Joint CME and CDE Course, University of Alabama at Birmingham Birmingham, AL, April 2013

(University of Miami - Visiting Professorship):

33. Lecturer, "Juvenile Connective Tissue Disease - I", Pediatrics Resident Noon Conference, Holtz Children's Hospital, Miami, FL, April 2012
34. Lecturer, "Juvenile Idiopathic Arthritis", Medical Student Pediatric Clerkship Lecture Series, Holtz Children's Hospital, Miami, FL, April 2012
35. Lecturer, "Juvenile Connective Tissue Disease - II", Pediatrics Resident Noon Conference, Holtz Children's Hospital, Miami, FL, April 2012

36. Lecturer, “Macrophage Activation Syndrome in the Pediatric ICU”, Pediatric ICU Rounds, Holtz Children’s Hospital, Miami, FL, April 2012

UNIVERSITY COURSES:

(University of Pennsylvania):

37. Lecturer, Immunology 999/599, Immunology Faculty Research Seminar, University of Pennsylvania Medical School, 2000-2006
38. Founder and course director, CHOP Pediatric Rheumatology Grand Rounds (CME accredited), 2001-2007
39. Co-director, Immunology 599, Fall 2001, 2002 and Spring 2002, 2003
40. Faculty Mentor, Immunology 605, Current Topics in Molecular and Cellular Immunology, Spring 2001 (Marina Kremyanskaya)
41. Lecturer, Immunology 605, March 2002
42. Faculty Tutor, Immunology 520, Elective Tutorials in Immunology, Fall 2002 (Emily Rowell)
43. Lecturer, University of Pennsylvania, Biochemistry Seminar Series, September 2002
44. Mentor, Doctor-Patient Relationship course (MD301), Fall 2002, Spring 2004, Fall 2005, Fall 2006
45. Co-director, Immunology 605, Spring 2003
46. Course Director, Immunology 520, Fall 2003, 2004
47. Faculty Mentor, Immunology 605, Spring 2004 (Jodi Buckler)
48. Lecturer, CAMB 542, Topics in Molecular Medicine, University of Pennsylvania MD/PhD program, 2004
49. Lecturer, Immunology 506, Immune Mechanisms, Fall 2004
50. Preceptor, MD305, Introduction to Clinical Medicine, Fall 2004
51. Lecturer, Immunology 508, Immune Responses, Spring 2005, 2006, 2007
52. Lecturer, Chalk Talks, Microbiology, Virology, & Parasitology Program, Fall 2006
53. Lecturer, University of Pennsylvania Medical School “Frontiers in Medicine”, Winter 2007

(University of Alabama at Birmingham):

54. Case Presentation, University of Alabama at Birmingham School of Medicine, “Patient Centered Teaching”, Medicine/Rheumatology, Spring 2008, Fall 2009
55. Lecturer, topic of “Pediatric Rheumatology”, University of Alabama at Birmingham School of Medicine 3rd year medical students required Pediatric clerkship, every 8 weeks, 2008-2010
56. Lecturer, “Juvenile Idiopathic Arthritis”, UAB School of Medicine Musculoskeletal and Skin Module, September 2009, 2010, 2011, 2012
57. Mentor, Integration of Basic Science and Clinical Medicine for 3rd year medical students, 2010-present
58. Lecturer, “Transcription Factors in Autoimmunity and Autoimmune Diseases”, Advanced Course in Autoimmunity, Spring 2010
59. Course Director, Pediatric Rheumatology Acting Internship for medical students, 2010-present
60. Participating Faculty member, Pediatric Dentistry Physical Assessment I, Clinical Rotation, Fall 2010-present
61. Evaluator, PROSCE (Pediatric Rheumatology Objective Structured Clinical Examination), Northwestern University, November 2011

MENTORING OF TRAINEES:

UNDERGRADUATE STUDENTS:

62. Mentor for Palav Babaria, Harvard University undergraduate, Summer 2001
63. Mentor for Elizabeth Dejewski, LaSalle University undergraduate, 2001-2002
64. Mentor for Leila Sadeghi, University of Pennsylvania undergraduate, 2002-2003 (accepted to University of Maryland School of Medicine)
65. Mentor for Eric Chen, University of Pennsylvania undergraduate, 2002-2003 (awarded Pediatric AIDS Foundation research scholarship, accepted UC Irvine Medical School)
66. Mentor for Marie Ridenour, Loyola College in Maryland, Summer 2005 (awarded Goldie Simon preceptorship, Lupus Foundation)
67. Mentor for Barrett Larussa, Sewanee University of the South undergraduate, Summer 2011
68. Mentor for Brian Lefchak, Temple University undergraduate, Summer 2011

GRADUATE STUDENTS:

69. Thesis committee member for immunology graduate student, Mark Ma, 2001-2006
70. Mentor for Leanne Johnson, University of Pennsylvania rotating graduate student, 2002-2003, IMUN 699
71. Mentor for Jennifer Kozak, University of Pennsylvania medical student, 2003 (awarded American College of Rheumatology Research and Education Foundation scholarship)
72. External reviewer for Mark Cotton's thesis proposal, Stellenbosch University, South Africa, 2004
73. Mentor for Dr. Pamela Fitch, Children's Hospital of Philadelphia pediatric resident, 2003-2004 (awarded Resident Research Award for her abstract submitted to the American College of Rheumatology Annual Scientific Meeting)
74. Thesis committee member for immunology graduate student, Leanne Johnson, 2005-2007
75. Thesis committee member for immunology graduate student, Eric Allenspach, 2005-2007
76. Mentor for Greta Weiss, University of Pennsylvania rotating graduate student, 2005, IMUN 699
77. Mentor for Nural Orgun, University of Pennsylvania rotating graduate student, 2005, IMUN 699
78. Mentor for Audrey Daggan, Tufts Medical School medical student, 2006 (awarded Goldie Simon preceptorship from the Lupus Foundation)
79. Mentor for Sarah White, Drexel University College of Medicine medical student, 2006 (awarded APS/SPR Student Research scholarship)
80. Mentor for Ian Ferguson, New Jersey Medical School, 2006 (funded by Stokes Institute)
81. Thesis committee member for CAMB graduate student, Haitao Hu, 2006-2007
82. Mentor for Katherine Donnithorne, UAB medical student, Department of Pediatrics Russell Cunningham Memorial Research Scholars Program; Award winning research abstract for Medical Students Research Day, UAB, October 2008, 2008-2011
83. Thesis committee member for immunology graduate student, Sarah Whitley, 2009-2011
84. Mentor for Dr. Aaron Grubbs, Children's Hospital of Alabama medicine/pediatrics resident, 2009-present
85. Mentor for Dr. Christopher Dodd, Children's Hospital of Alabama pediatrics resident, 2009-2010
86. Mentor for Jessica Record, UAB medical student, 2009-2011 (awarded 2010 Alpha Omega

- Alpha Carolyn L. Kuckein student research fellowship), ACR REF/Abbott Medical/Graduate Student Achievement Award (2010)
87. Mentor for Tyler Sharpe, UAB medical student, 2010-2011
 88. Mentor for Dr. Melissa Mannion, Children's Hospital of Alabama pediatrics resident, 2010-2011
 89. Mentor for Lindsay Harbin, UAB medical student, 2010-present (T35 summer research program alternate with internal funding provided by university for high score on application)
 90. Mentor for Dr. John McLendon, Children's Hospital of Alabama pediatrics resident, 2010-2011
 91. Mentor for George Atkinson, UAB medical student, 2010-2011
 92. Mentor for Tanya Robinson, University of Alabama at Birmingham, rotating immunology graduate student, 2010
 93. Mentor for Caroline Colvin, Children's Hospital of Alabama pediatrics resident, 2010
 94. Mentor for Emily Fain, UAB medical student, 2010-2011
 95. Mentor for Qing Zhao, University of Alabama at Birmingham, rotating microbiology graduate student, 2010
 96. Mentor for Hyungwoo Nam, University of Alabama at Birmingham, rotating immunology graduate student, 2011
 97. Mentor for Timothy Rohrbach, University of Alabama at Birmingham, rotating immunology graduate student, 2011
 98. Mentor for Stephen M. Johnson, UAB medical student, 2011
 99. Thesis advisor for graduate student, Tanya Robinson, CFAR "Basic Mechanisms in AIDS Pathogenesis" T32 recipient, 2011-present
 100. Mentor for Kimberly Westhoven, UAB medical student, 2011
 101. Mentor for Susan Wiltrakis, UAB medical student, 2011
 102. Mentor for Shane McKinney, UAB medical student, 2011
 103. Mentor for Leanne Bowman, UAB pediatric dental student, 2011
 104. Suwat Teerawattanapong, UAB Oral and Maxillofacial (OMF) Surgery resident, 2011
 105. Mentor for Ashley Shafferman, UAB medical student, 2012
 106. Mentor for Ajay Tramball, UAB medical student, 2012
 107. Mentor for Benjamin Abt, DMD, OMF surgery resident, 2012
 108. Mentor for Anthony Morlandt, DDS, MD, OMF surgery resident, 2012
 109. Qualifying exam committee member for Microbiology thesis student, Victor Du, 2012
 110. Mentor for Courtney Crayne, UAB medical student, 2012
 111. Mentor for Ashley Conoway, University of Alabama at Birmingham, rotating HHMI immunology graduate student, 2012

CLINICAL RHEUMATOLOGY FELLOWS:

FORMER FELLOWS (University of Pennsylvania):

112. Lisabeth V. Scalzi, M.D. (1999-2002), recipient of a Fellowship Award from the American Heart Association; currently an NIH K23 award-funded faculty member at Pennsylvania State University
113. Frida Gudmundsdottir, M.D. (2000), *ad astra*
114. Jonathan M. Burnham, M.D. (2001-2004), recipient of a Fellowship Award from the American College of Rheumatology; recipient of 2 Nickolett Family Awards Program for

- JRA Research grants; Amgen ACR Research and Education Foundation Pediatric Rheumatology Research Award; currently an NIH K23 award-funded faculty member at The Children's Hospital of Philadelphia
115. Esi M. DeWitt, M.D. (2002-2005), recipient of a CHORD Fellowship Award, and an ACR/REF Rheumatology Fellowship Training Award; currently faculty at University of Cincinnati
 116. Bitu Arabshahi, M.D. (2003-2006), recipient of Nickolett Family Awards Program for JRA Research grant; Travel Award recipient for abstract submitted to Scientific Meeting of the TMJ Association, Bethesda, MD, 2004, and to EULAR meeting, Vienna, Austria, 2005; 2005 Earl J. Brewer Research Award (ACR meeting); currently on staff at Inova Fairfax Hospital for Children, Fairfax, VA (part of the George Washington University School of Medicine)
 117. Frank Pessler, M.D., Ph.D. (2003-2007), scholarship award recipient for Cold Spring Harbor Microarray course; recipient of a slot on the University of Pennsylvania Immunobiology T32 training grant; recipient of an ACR/REF Pediatric Rheumatology Research Award (2005); currently Assistant Faculty in Pediatric Rheumatology at the Technical University Dresden, University Children's Hospital, Dresden, Germany
 118. Mara Becker, M.D. (2005-2006), fellow at A.I. Dupont Children's Hospital, currently Assistant Professor of Pediatrics at Children's Mercy Hospitals and Clinics (University of Kansas Medical Center), Kansas City, MO
 119. Edward Behrens, M.D. (2004-2007), recipient of an AMGEN rheumatology fellowship award and a Nickolett Family Awards Program for JRA Research grant; 2006 Earl J. Brewer Research Award (ACR meeting); recipient of an ACR/REF Pediatric Rheumatology Research Award (2006); Assistant Professor of Pediatrics, University of Pennsylvania, Philadelphia, PA
 120. Timothy Beukelman, M.D. (2004-2007), Ruth L. Kirschstein National Research Service Award (NRSA)/NIH; Fellows Scholar Travel Award – American College of Rheumatology; Assistant Professor of Pediatrics, University of Alabama, Birmingham
 121. Pam Fitch, M.D., M.S.C.E. (2005-2007), recipient of an AMGEN rheumatology fellowship award and an ACR/REF clinical investigator fellowship award, outstanding clinical research poster at CHOP 18th annual poster day 2008, Assistant Professor of Pediatrics, University of Pennsylvania, Philadelphia, PA
 122. Tracey Brock-Wright, M.D. (2005-2007), recipient of a Paula de Merieux rheumatology fellowship award and an ACR/REF physician scientist development award, outstanding clinical research poster at CHOP 18th annual poster day 2008, Assistant Professor of Pediatrics, University of Texas Southwestern, Dallas, TX
 123. Eric Hanson, M.D. (2005-2007), Senior Clinical Fellow, Henry Metzger Scholar, Autoimmunity Branch, Immunoregulation Section, NIAMS/NIH, Bethesda, MD
 124. Jay Mehta, M.D. (2006-2007), recipient of an ACR/REF physician scientist development award, Assistant Professor of Pediatrics, Schneider Children's Hospital, Bronx, NY
 125. Sharon Bout-Tabaku, M.D. (2006-2007), recipient of a Paula de Merieux rheumatology fellowship award, Assistant Professor of Pediatrics, Nationwide Children's Hospital, Columbus, OH

FORMER FELLOWS (University of Alabama at Birmingham):

126. UAB Adult Rheumatology Fellows: Direct supervision and education of adult rheumatology fellows during their required training in pediatric rheumatology. Fellows trained to date (2007-): Allyson McDonough, Maria Danila, Zang Song, Elizabeth Perkins, Bitu Shakoory, Ajoy Chhabra, Bilal Kahn, Iris Navarro, Quynh Bao, Rebecca Belsom, Archana Jain, Yong Hwang
127. Bitu Shakoory, M.D. (2008-2012), co-mentor for research project on the topic of macrophage activation syndrome in adults with rheumatic disorders, recipient of an ACR Distinguished Fellow award (2010), Assistant Professor of Medicine, Temple University, Philadelphia, PA

CURRENT FELLOWS (University of Alabama at Birmingham):

128. Will Sasser, M.D. (2010-2011), co-mentor for Legionella trigger vasculitis, Pediatric Pulmonary fellow, University of Alabama at Birmingham
129. Christy Bemrich-Stolz, M.D. (2010-2011), UAB Pediatric Hematology/Oncology fellow, studying heterozygous HLH mutations in secondary MAS
130. Melissa Mannion, M.D. (2011-), UAB Pediatric Rheumatology fellow
131. Rina Mina, M.D., M.Sc. (2011-), University of Cincinnati Pediatric Rheumatology fellow, studying iontophoresis of corticosteroids to treat TMJ arthritis in JIA
132. Naren Vadlamudi, MD (2011-), UAB Pediatric Gastroenterology fellow
133. Tracy Jester, MD (2012-), UAB Pediatric Gastroenterology fellow

LABORATORY POST-DOCTORAL FELLOWS

PAST FELLOWS:

134. Michael Brunner, Ph.D. (2000-2004), currently research teaching specialist, Robert Wood Johnson Medical School/UMDNJ, *ad astra*
135. Shyamala Arunachalam, Ph.D. (2003-2004), currently adjunct laboratory lecturer at University of North Florida
136. Rebecca Shilling, M.D. (University of Chicago Immunology, KO8 Advisory committee, 2005)

CURRENT FELLOWS:

137. Mingce Zhang, Ph.D. (2002-present), 2005 Stokes Scientific Retreat honorable mention award winner for abstract presentation; scholarship to attend 2005 International Meeting of the Institute of Human Virology (Baltimore, MD), 2007 American Association of Immunologists Junior Faculty Travel Award (Miami, FL)
138. Ashley Harms, Ph.D. (2011-present), UAB Neurosciences

JUNIOR FACULTY ADVISOR/MENTOR:

139. Tim Beukelman, M.D., M.S.C.E. (2007-present), Associate Professor of Pediatrics, Division of Rheumatology, University of Alabama at Birmingham, University of Alabama Health Services Foundation General Endowment Fund Scholar Award, NIH U18 grant on safety of anti-TNF drugs (investigator), American College of

- Rheumatology grant – “Guidelines for the Treatment of Juvenile Idiopathic Arthritis” (PI), KL2 award – “The Risk of Serious Infection in JIA” (PI), Pfizer grant – “Usage of NSAIDs, Glucocorticoids, and DMARDs in the Treatment of Juvenile Idiopathic Arthritis in the United States” (PI)
140. Peter Weiser, M.D. (2009-present), Assistant Professor of Pediatrics, Division of Rheumatology, University of Alabama at Birmingham, recipient of Arthritis Foundation “My Doc Rocks” nomination for Alabama
 141. Bitu Shakoory, M.D. (2010), co-mentor for research project on the topic of macrophage activation syndrome in adults with rheumatic disorders, recipient of an ACR Distinguished Fellow award (2010), Assistant Professor of Medicine, Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham, Birmingham, AL
 142. Robert Lowe, M.D., Ph.D. (2011-present), Instructor of Pediatrics, Division of Rheumatology, University of Alabama at Birmingham, Kaul Pediatric Research Institute/Alabama Children’s Hospital Foundation Grant, “Gene Replacement Therapy for the Treatment of X-Linked Hyper-IgM Syndrome” (PI), CHRC K12 Grant, “Epigenetic regulation of the CD154 gene in children and adults with lupus”, Arthritis Foundation, “Epigenetic Regulation of CD154 Gene Expression” (PI), CNIHR (NIH CFAR), “Role of FoxP3 in Blocking Transcriptional Activation of HIV-LTR in T-reg Cells” (PI)
 143. Matthew Stoll, M.D., PhD, M.S.C.S. (2011-present), Assistant Professor of Pediatrics, Division of Rheumatology, University of Alabama at Birmingham, UAB SOM: Immunology, Autoimmunity, and Transplantation Strategic Effort grant, “Autoimmunity Against Enteric Antigens in Juvenile Spondyloarthritis” (PI)
 144. Hilary Haines, M.D. (2011-present), Assistant Professor of Pediatrics, Division of Hematology and Oncology, University of Alabama at Birmingham, Birmingham, AL

CLINICAL SERVICE (rotating medical students, residents, and fellow physicians):

145. Pediatric Rheumatology Clinic, Lucile Salter Packard Children’s Hospital at Stanford, attending physician one day per week, 1998-1999
146. Attending Physician on the Pediatric Rheumatology Service, Lucile Salter Packard Children’s Hospital at Stanford, two months per year, 1998-1999
147. Pediatric Rheumatology Clinic, Children’s Hospital of Philadelphia, attending physician one day per week, 1999-2007
148. Attending Physician on the Pediatric Rheumatology Service, Children’s Hospital of Philadelphia, two months per year, 2000-2007
149. Pediatric Rheumatology Clinic, Children’s Hospital of Alabama, attending physician 1.5 days per week, 2007-present
150. Attending Physician on the Pediatric Rheumatology Service, Children’s Hospital of Alabama, three months per year, 2007-present
151. Collaborative Physician for Pediatric Nurse Practitioner, Annette Reed, CRNP, Children’s Hospital of Alabama, 2007-present
152. Attending Physician, Children’s Rehabilitation Service, Children’s Hospital of Alabama, once monthly, 2008-2011

MAJOR LECTURES AND VISITING PROFESSORSHIPS:

- March 1997 "T Cell Priming Enhances IL-4 Gene Expression by a NFAT-Dependent Mechanism" - European Rheumatology Research Workshop, Brest, France
- May 1997 "T Cell Priming Increases IL-4 Gene Expression by Selectively Enhancing NFAT Activity Relative to AP-1" - University of Cincinnati, OH
- March 1998 "Fas L 'eye' gland" - Park City IV: Pediatric Rheumatology into the Next Century, Park City, UT
- May 1998 "Decreased NFAT1: A Potential Mechanism for Decreased Cytokine Production by Neonatal T Cells" - Pediatric Academic Societies' Annual Meeting, New Orleans, LA
- July 1998 "The Role of NFAT Transcription Factors in Cytokine and HIV Gene Regulation" - University of Birmingham, United Kingdom
- August 1998 "The Role of NFAT Transcription Factors in Cytokine and HIV Gene Regulation in Normal Human CD4 T Cells" - Pediatric Immunology Grand Rounds, Stanford University, Palo Alto, CA
- Oct. 1998 "NFAT: Role in Effector T Cell Function and HIV Pathogenesis" - Rheumatology Grand Rounds, Washington University, St. Louis, MO
- Oct. 1998 "Role of NFAT Transcription Factors in Cytokine and HIV Gene Regulation in Normal Human CD4 T Cells" - University of Cincinnati, Ohio
- Nov. 1998 "Identification of an Enhancer Element Located Downstream of the CD40-Ligand Gene" - American College of Rheumatology National Scientific Meeting, San Diego, CA
- May 1999 "Role of NFAT Transcription Factors in Cytokine and HIV Gene Regulation in Normal Human CD4 T Cells" - University of Pennsylvania, Philadelphia, PA
- Sept. 1999 "The Role of Nuclear Factor of Activated T Cells in Cytokine and HIV Gene Regulation in Normal Human CD4 T Cells" - Howard Hughes Medical Institute, Chevy Chase, MD
- Feb. 2000 "Role of NFAT in T Cell Activation" - NFAT mini symposium, Children's Hospital of Philadelphia, PA
- Nov. 2000 "Role of Transcription Factors in Cytokine and HIV-1 Gene Transcription in Primary CD4 T Lymphocytes" - Stokes Town Meeting, Abramson Research Center, Children's Hospital of Philadelphia, PA
- June 2001 "Regulation of CD154 in Systemic Lupus Erythematosus" - Annual European Congress of Rheumatology, Prague, Czech Republic

- June 2001 “Regulation of CD154 in Systemic Lupus Erythematosus” - Institute of Rheumatology, Prague, Czech Republic
- June 2001 “Regulation of CD154 in Systemic Lupus Erythematosus” - Karolinska Institute, Stockholm, Sweden
- June 2001 “Regulation of CD154 in Systemic Lupus Erythematosus” - Kennedy Institute of Rheumatology, London, United Kingdom
- Nov. 2001 “Generation of Conditional NFAT1 Transgenic Mice” - American College of Rheumatology National Scientific Meeting, San Francisco, CA
- Jan. 2002 “Identification of a Novel GATA-Regulated CD154 Transcriptional Enhancer” - SLE: Targets for New Therapeutics, Bethesda, MD
- April 2002 “Identification of a Novel GATA-Regulated CD154 Transcriptional Enhancer” - Experimental Biology Annual National Meeting, New Orleans, LA
- June 2002 “A Novel GATA-Regulated CD154 Transcriptional Enhancer” - EULAR International Meeting, Stockholm, Sweden
- Sept. 2002 “Identification of a novel GATA-regulated CD154 transcriptional enhancer”, University of Pennsylvania, School of Dental Medicine, Philadelphia, PA
- Oct. 2002 “Cytokine and HIV-1 Transcription by NFAT Proteins in the Neonate” - Neonatology Research Seminar Series, Children’s Hospital of Philadelphia, PA
- March 2003 “Systemic Lupus Erythematosus and CD154 Regulation” - Rheumatology Grand Rounds, Albert Einstein Medical School, Philadelphia, PA
- March 2003 “CD154 Regulation and Lupus” - University of Medicine and Dentistry of New Jersey, Newark, NJ
- March 2003 “Regulation of CD154 in Pediatric Systemic Lupus Erythematosus” - Pediatric Rheumatology International Meeting, Snowmass, CO,
- May 2003 “Identification of a Novel GATA-Regulated CD154 Transcriptional Enhancer” - Pediatric Academic Societies’ Annual Meeting, Seattle, WA
- May 2003 “CD154 Regulation and Lupus” - Immunology Seminar Series, Dartmouth Medical School, Lebanon, NH

- May 2003 “Juvenile Connective Tissue Diseases” - Rheumatology Grand Rounds, Dartmouth Medical School, Lebanon, NH
- June 2003 “Egr-1 Regulates CD154 Transcription” - Arthritis Research Conference, Keystone, CO
- Oct. 2003 “Egr-1 Regulates CD154 Transcription” - American College of Rheumatology National Scientific Meeting, Orlando, FL
- March 2004 “Immunosuppression for the Immunosuppressed, Treating HIV-1 with Cyclosporin A” - Translational Immunology Seminar Series, University of Pennsylvania, Philadelphia, PA
- May 2004 “Regulation of CD154 in Primary CD4 T Cells” - Pulmonary Medicine Basic Science Lecture Series, Children’s Hospital of Philadelphia, PA
- Oct. 2004 “Treatment of TMJ Arthritis by Corticosteroid Joint Injection in Children with Chronic Arthritis” - American College of Rheumatology National Scientific Meeting, San Antonio, TX
- Nov. 2004 “Regulation of CD154 in Lupus” - University of Chicago, Pediatric Grand Rounds, Chicago, IL
- Nov. 2004 “Corticosteroid Injection of Temporomandibular Joints in Children with JIA” - Children’s Hospital of Illinois, Peoria, IL
- Jan. 2005 “CD154 and Lupus” - University of Pennsylvania Lupus Research Working Group, Philadelphia, PA
- April 2005 “Gene Therapy for X-linked Hyper-IgM Syndrome” - Stokes Scientific Retreat, American College, Bryn Mawr, PA
- June 2005 “c-maf and NFAT2 Cooperate to Augment HIV-1 Transcription in T-helper-2 Cells” - Pulmonary Medicine Basic Science Lecture Series, Children’s Hospital of Philadelphia, PA
- Nov. 2005 “Update on the Treatment of Juvenile Idiopathic Arthritis – 2005” - ACR Clinical Symposium, American College of Rheumatology National Scientific Meeting, San Diego, CA
- Dec. 2005 “A Signal Achievement in the Treatment of Arthritis” - Philadelphia Rheumatism Society, Philadelphia, PA
- Jan. 2006 “Inhibition of NFAT2 Expression by FOXP3” - Lymphocyte Activation and Signaling, Keystone Symposia, short lecture during plenary session, Steamboat Springs, CO

- April 2006 “From Hyper-IgM Syndrome to Systemic Lupus Erythematosus, a Spectrum of CD154 Expression” - Rheumatology Grand Rounds, Albert Einstein Medical School, Philadelphia, PA
- April 2006 “From Hyper-IgM Syndrome to Systemic Lupus Erythematosus, a Spectrum of CD154 Expression” - Vaccines and Immune Therapies Research Affinity Group, Joseph Stokes, Jr. Institute, Children’s Hospital of Philadelphia, Philadelphia, PA
- April 2006 “T Cell-Directed Novel Therapeutics for Sjogren Syndrome” - IXth International Symposium on Sjogren’s Syndrome, Washington, DC
- May 2006 “From Immunodeficiency to Autoimmunity: the Role of CD4 T Cell Transcription Factors in Disease” - Keynote Speaker at Department of Medicine Residents Research Day, UMDNJ – New Jersey Medical School in Newark, NJ
- July 2006 “Temporomandibular Joint Arthritis in Juvenile Idiopathic Arthritis: The Forgotten Joint” - Pediatric Grand Rounds, Children’s Hospital of Alabama, Birmingham, AL
- July 2006 “From Hyper-IgM Syndrome to Systemic Lupus Erythematosus, a Spectrum of CD154 Expression” - Rheumatology Conference, University of Alabama at Birmingham, AL
- Aug. 2006 “Temporomandibular Joint Arthritis in Juvenile Idiopathic Arthritis: The Forgotten Joint” - Pediatric Grand Rounds, Children’s Hospital and Regional Medical Center, Seattle, WA
- Aug. 2006 “Acquired and Congenital Immunodeficiency: HIV and FoxP3” - University of Washington, Seattle, WA
- Nov. 2006 “Inhibition of NFAT2 Transcription by the Regulatory T Cell Transcription Factor FOXP3” - ACR/EULAR Study Group, American College of Rheumatology National Scientific Meeting, Washington, DC
- Dec. 2006 “CD154 Dysregulation in SLE” - Rheumatology Conference, University of Michigan, Ann Arbor, MI
- Feb. 2007 “CD154 Dysregulation in SLE” - Rheumatology Grand Rounds, Vanderbilt University, Nashville, TN
- July 2007 “Genetics and Juvenile Arthritis” - American Juvenile Arthritis Organization (AJAO) National Conference, Hershey, PA

- Oct. 2007 “Temporomandibular Joint Arthritis in Juvenile Idiopathic Arthritis: The Forgotten Joint” - 52nd Annual Lowe Conference on Rheumatic Diseases, Camp McDowell, AL
- Feb. 2008 “Inhibition of NFAT2 Transcription by the Regulatory T Cell Transcription Factor FOXP3” - Opportunities in Human Immunology lecture series, University of Alabama at Birmingham, Birmingham, AL
- April 2008 “Inhibition of NFAT2 expression by FOXP3” - Experimental Biology Annual National Meeting, San Diego, CA
- April 2008 “Update on JIA Pathogenesis and Treatment” - ACR State-of-the-Art Clinical Symposium, Chicago, IL
- April 2008 “Practical Issues for Adolescents with JIA Transitioning to Adulthood” - ACR State-of-the-Art Clinical Symposium, Chicago, IL
- May 2008 “Current and Future Therapies for HLH/MAS” - APS/SPR National Scientific Meeting, Honolulu, HI
- July 2008 “Inhibition of NFAT2 Transcription by the Regulatory T Cell Transcription Factor FOXP3” - T Cell Biology Group, University of Alabama at Birmingham, Birmingham, AL
- Sept. 2008 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Pediatric Grand Rounds, Children’s Hospital of Alabama, Birmingham, AL
- Sept. 2008 “FOXP3 and NFAT2, Transcription Factors with Competing Interests” – Program in Immunology Lecture Series, University of Alabama at Birmingham, Birmingham, AL
- Nov. 2008 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Pediatric Grand Rounds, Huntsville Hospital for Women and Children, Huntsville, AL
- Dec. 2008 “Transcription Factors Involved in Prolonged CD154 Expression in Systemic Lupus Erythematosus” - Children’s Health Investigative Forum (CHIF), Children’s Hospital of Alabama, Birmingham, AL
- Feb. 2009 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Rheumatology Grand Rounds, Hospital for Special Surgery/Cornell University, New York, NY
- April 2009 “Sarcoidosis, a Master Imitator with Poly-organ Involvement” - Children’s Hospital of Alabama Grand Rounds, Birmingham, AL

- June 2009 “TMJ in JIA, the Most Frequently Used Joint is the Most Commonly Involved” - Annual European Congress of Rheumatology, Copenhagen, Denmark
- Oct. 2009 “Treatment of MAS in sJIA” - Macrophage Activation Syndrome Study Group, American College of Rheumatology National Scientific Meeting, Philadelphia, PA
- Nov. 2009 “CD4 T Cell Host Transcription Factors Usurped by HIV-1” - Children’s Health Investigative Forum (CHIF), Children’s Hospital of Alabama, Birmingham, AL
- July 2010 “JIA & Jaw Issues” - American Juvenile Arthritis Organization (AJAO) National Conference, Philadelphia, PA
- Aug. 2010 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” – “Ralph V. Platou, MD, Lecture” - Pediatric Grand Rounds, Tulane School of Medicine, New Orleans, LA
- Aug. 2010 “Temporomandibular Joint Arthritis in Juvenile Idiopathic Arthritis: The Forgotten Joint” - Pediatric Noon Conference, Tulane School of Medicine, New Orleans, LA
- Sept. 2010 “Prolonged CD154 Expression on Activated Lupus CD4 T Cells: A Question of Transcriptional Regulation” - Skin Diseases Research Center (SDRC) Seminar Series, University of Alabama at Birmingham, Birmingham, AL
- Nov. 2010 “TMJ Arthritis and Intraarticular Corticosteroid Injections” - Juvenile Arthritis Workgroup (JAW), American College of Rheumatology National Scientific Meeting, Atlanta, GA
- Nov. 2010 “IL-1 Blockade for Treatment of Macrophage Activation Syndrome” - ACR/EULAR Study Group, American College of Rheumatology National Scientific Meeting, Atlanta, GA
- Feb. 2011 “Gene Therapy for X-linked Hyper IgM Syndrome” - Children’s Health Investigative Forum (CHIF), Children’s Hospital of Alabama, Birmingham, AL
- March 2011 “Systemic Arthritis in Children” - Pediatric Rheumatology: An Update for Clinicians, NYU Langone Medical Center, New York, NY
- April 2011 “The TMJ Survey Results – How Pediatric Rheumatologists Approach TMJ Arthritis” - EUROtmJOINT, 3rd International Conference of TMJ Arthritis in Children with JIA, Kiel, Germany

- April 2011 “TMJ Diagnostics and Treatment - the American Perspective” - EUROtmJOINT, 3rd International Conference of TMJ Arthritis in Children with JIA, Kiel, Germany
- April 2011 “Prolonged CD154 Expression on Activated Lupus CD4 T Cells: A Question of Transcriptional Regulation” - Pediatric Grand Rounds, Children’s Hospital of Alabama, Birmingham, AL
- July 2011 “JIA & Jaw Issues” - American Juvenile Arthritis Organization (AJAO) National Conference, Crystal City, VA
- July 2011 “Prolonged CD154 Expression on Activated Lupus CD4 T Cells: A Question of Transcriptional Regulation” - Venenum Distinguished Speaker Seminar Series, HUMIGEN, Hamilton, NJ
- Aug. 2011 “Macrophage Activation Syndrome: Genetics and Therapy” - Children’s Health Investigative Forum (CHIF), Children’s Hospital of Alabama, Birmingham, AL
- Nov. 2011 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Medicine Grand Rounds, University of Alabama at Birmingham SOM, Birmingham, AL
- Nov. 2011 “Prevalence of TMJ Arthritis in non-JIA Chronic Arthritis Patients” - Juvenile Arthritis Workgroup (JAW), American College of Rheumatology National Scientific Meeting, Chicago, IL
- Nov. 2011 “The Scope of Secondary Macrophage Activation Syndrome” - Macrophage Activation Syndrome Study Group, American College of Rheumatology National Scientific Meeting, Chicago, IL
- March 2012 “A human CD154 BAC transgenic mouse to explore lupus and XHIM” - Humanized Mouse Models of Immunological Diseases Symposium, UAB Comprehensive Arthritis, Musculoskeletal Autoimmunity Center, Birmingham, AL
- March 2012 “Pediatric Sjogren Disease” - Birmingham area Sjogren Support Group, National Sjogren Foundation, Birmingham, AL
- April 2012 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Pediatric Grand Rounds, University of Miami, Leonard M. Miller School of Medicine, Miami, FL
- April 2012 “Temporomandibular Joint Arthritis in Pediatric Inflammatory Arthropathies” - Pediatric Research Seminar, University of Miami, Leonard M. Miller School of Medicine, Miami, FL

- May 2012 “Developing the Researcher’s Toolkit” - Health Care Leadership Academy graduation, University of Alabama at Birmingham, Birmingham, AL
- May 2012 “FOXP3 and NFAT2, Transcription Factors with Competing Interests” - Research in Progress Seminar Series, UAB Comprehensive Musculoskeletal and Autoimmunity Center, Birmingham, AL
- June 2012 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Pediatric Grand Rounds, State University of New York (SUNY) at Stony Brook, NY
- June 2012 “Temporomandibular Joint Arthritis in Pediatric Inflammatory Arthropathies” - Pediatric Research Seminar, State University of New York (SUNY) at Stony Brook, NY
- July 2012 “Temporomandibular Joint Arthritis (TMJ) in Childhood Arthritis” - American Juvenile Arthritis Organization (AJAO) National Conference, St. Louis, MO
- Nov. 2012 “Rapid and effective response to immunosuppression in treating macrophage activation syndrome associated with a heterozygous dominant negative mutation in RAB27a leading to decreased cytolytic capacity” - American College of Rheumatology National Scientific Meeting, Washington, DC
- Nov. 2012 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - National Institutes of Health, Bethesda, MD
- Nov. 2012 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Johns Hopkins University, Baltimore, MD
- Nov. 2012 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Feinstein Institute for Medical Research, Manhasset, NY
- March 2013 “Be Afraid, Be Very Afraid of Macrophage Activation Syndrome” - Rheumatology Medicine Grand Rounds, University of Chicago, Chicago, IL

GRANT SUPPORT (funding agency, grant title, role on grant, years, total direct costs):

CURRENT:

1. Arthritis Society of Canada & National Institutes of Health, NIAMS, "Lymphoma Risk in SLE: A Consequence of Immune Suppression or Stimulation?", Site Principal Investigator: Cron, 2009-2014, \$1,500
2. NIH/NIAMS, "Macrophage Activation Syndrome Biomarkers in Systemic Juvenile Idiopathic Arthritis", Site Principal Investigator: Cron, 2010-, \$9,400
3. Swedish Orphan Biovitrum, "Treatment of Macrophage Activation Syndrome with Anakinra", Principal Investigator: Cron, 2012, \$38,000
4. NIH/NIAMS, "Improved Understanding of the Biology and Use of TNF Inhibition in JIA", Site Principal Investigator: Cron, 2011-2013

PAST:

1. Howard Hughes Medical Institute, "Transcriptional Regulation of Cytokine Expression in Memory/Effector T Cells", Principal Investigator: Cron, 1996-1999, \$234,000
2. Stanford MAPS-CHRC, "Role of NFAT Proteins in Cytokine Expression by Neonatal T Cells", Principal Investigator: Cron, 1997-1999, \$82,000
3. Elizabeth Glaser Pediatric AIDS Foundation, "Role of NFAT and maf Proteins in Neonatal HIV", Principal Investigator: Cron, 1999-2001, \$72,000
4. Arthritis Foundation Investigator Award, "Role of Altered CD40-Ligand Gene Transcription in Systemic Lupus Erythematosus", Principal Investigator: Cron, 1999-2004, \$325,000
5. CHOP GCRC, "Role of Altered CD40-Ligand Transcription in Childhood Systemic Lupus Erythematosus", Principal Investigator: Cron, 2000, \$5,000
6. Boehringer Ingelheim Pharmaceuticals, Inc., "Safety and Efficacy of Meloxicam in Children with Juvenile Rheumatoid Arthritis", Principal Investigator: Cron, 2001-2002, \$2,000
7. CHOP MAPS-CHRC, "Role of Altered CD40-Ligand Gene Regulation in Systemic Lupus Erythematosus", Principal Investigator: Cron, 2000-2002, \$60,000
8. Mary L. Smith Charitable Trust, "Role of Octamer Proteins in HIV Transcription in CD4 T Cells", Principal Investigator: Cron, 2001-2002, \$75,000
9. Arthritis National Research Foundation, "Role of NFAT Proteins in CD154 Gene Regulation and Lupus", Principal Investigator: Cron, 2002-2003, \$45,000
10. National Institutes of Health, NIAMS, R21, "Role of NFAT Proteins in CD154 Gene Regulation and Lupus", Principal Investigator: Cron, 2002-2005, \$150,000
11. Nickolett Family Awards Program for JRA Research, "Evaluation of Corticosteroid Injection for TMJ Arthritis", Principal Investigator: Cron, 2004-2005, \$25,000
12. Ethel Brown Foerderer Fund for Excellence, "Evaluation of MRI and Ultrasound in Establishing the Incidence of TMJ Arthritis in Children with JIA", Principal Investigator: Cron, 2004-2005, \$40,000
13. University of Pennsylvania CFAR, "NFAT Activity in CsA-Treated HIV-1 Infected Individuals", Principal Investigator: Cron, 2004-2005, \$40,000
14. Kahn Foundation, "Genetic Factors in SLE", Principal Investigator, 2001-2006, \$50,000
15. Nickolett Family Awards Program for JRA Research, "Macrophage Activation Syndrome Treatment and Outcomes Registry (MASTOR)", Principal Investigator, 2005-2006, \$50,000

16. Children's Arthritis Network/Arthritis Foundation, "Surveillance of Systemic-Onset JIA", Co-Principal Investigator, 2005-2006, \$42,500
17. Foerderer/Murray Award, "Lentiviral Gene Therapy for Acquired and Congenital Immunodeficiency", Co-investigator, 2005-2006, \$47,500
18. Betty Wold Johnson and the Alliance for Lupus Research, "Role of STAT5 in IL-15-Augmented CD154 Transcription in SLE", Principal Investigator, 2006-2007, \$25,000
19. Lupus Foundation pilot grant, "Role of STAT5 in IL-15-Augmented CD154 Transcription in SLE", Principal Investigator, 2006-2008, \$65,000
20. National Institutes of Health, NIAMS, R01, "Regulation of CD154 in Systemic Lupus Erythematosus", Principal Investigator, 2002-2009 (no cost extension), \$960,000
21. National Institutes of Health, NIAID, R21, "Increased HIV-1 Transcription in T-helper 2 Cells", Principal Investigator, 2007-2010 (no cost-extension), \$275,000
22. Novartis, "A Randomized, Double-blind, Placebo Controlled, Withdrawal Study of Flare Prevention of Canakinumab (ACZ885) in Patients with Systemic Juvenile Idiopathic Arthritis (SJIA) and Active Systemic Manifestations", Site Principal Investigator, 2009, \$3,620
23. Seattle Children's Hospital/Pfizer, "CARRA Enhanced Drug Safety Surveillance", Investigator, 2008-2011, \$4,800
24. NIH/NIAMS, "Integrative Genomics of Juvenile Idiopathic Arthritis (JIA)", Site Investigator, 2011-2012, \$38,900
25. American College of Rheumatology Research & Education Foundation/AMGEN, Pediatric Rheumatology Visiting Professorship Award, Recipient, 2012, \$2,000

MENTORED GRANTS:

CURRENT (mentored grants):

1. UAB Immunology, Autoimmunity & Transplantation Steering Committee, "Intestinal Flora in the Pathogenesis of Juvenile Spondyloarthritis", Principal Investigator: Dr. Matthew Stoll, Mentor: Cron, 2012, \$30,000
2. UAB CFAR "Basic Mechanisms in AIDS Pathogenesis" T32 training grant, "The Mechanism by Which Regulatory T Cells Induce M1 to M2 Polarization in Human Monocyte-Derived Macrophages in HIV-1 Infection", Graduate Student: Tanya Robinson, Mentor: Cron, 2012-2015, \$76,500
3. UAB Pediatrics Children's Health Foundation/Kaul Pediatric Research Institute, "Gene Replacement Therapy for the Treatment of X-Linked Hyper-IgM Syndrome", Principal Investigator: Dr. Robert Lowe, Mentor: Cron, 2012-2014, \$60,000
4. Creative and Novel Ideas in HIV Research (National Institutes of Health Center for AIDS Research), "Role of FoxP3 in Blocking Transcriptional Activation of HIV-1 LTR in Treg Cells", Principal Investigator: Dr. Robert Lowe, Mentor: Cron, 2012-2014, \$300,000
5. UAB Pediatrics CHRC, "Epigenetic Regulation of the CD154 Gene in Children and Adults with Lupus", Principal Investigator: Dr. Robert Lowe, Mentor: Cron, 2012-2015, \$300,000
6. Arthritis Foundation, "Epigenetic Regulation of CD154 Gene Expression", Principal Investigator: Dr. Robert Lowe, Mentor: Cron, 2012-2014, \$100,000

PAST (mentored grants):

1. Elizabeth Glaser Pediatric AIDS Foundation, “Analysis of the role of the c-maf transcription factor in HIV”, Student: Eric Chen, Mentor: Cron, 2002, \$2,000
2. American College of Rheumatology Research & Education Foundation, “The Role of NFAT Proteins in CD154 Expression in SLE”, Student: Jennifer Kozak, Mentor: Cron, 2003, \$4,000
3. AMGEN, “AMGEN Rheumatology Fellowship Award Program”, Fellow: Ed Behrens, Mentor: Cron, 2004-2005, \$25,000
4. Goldie Simon Preceptorship Award, “CD154 and Lupus”, Student: Marie Ridenour, Mentor: Cron, 2005, \$1,000
5. Goldie Simon Preceptorship Award, “Role of STAT5 in IL-15-Augmented CD154 Transcription in SLE”, Student: Audrey Daggan, Mentor: Cron, 2006, \$1,000
6. Alpha Omega Alpha Carolyn L. Kuckein Student Research Fellowship, “Prevalence of Inflammatory Myositis in Patients with Pediatric Systemic Lupus Erythematosus in Alabama”, PI: Jessica Record, Mentor: Cron, 2010, \$5,000 [<http://tv.hs.uab.edu/synopsis/latest.html>]
7. UAB T35 Summer Research Program, “A Study on the Influence of FOXP3-Expressing Tregs on HIV-1 Infection of FOXP3-Negative HIV-1 Infected CD4 T Cells in Co-culture”, PI: Lindsey Harbin, Mentor: Cron, 2010, \$1,650

OTHER:

ORGANIZING ROLES IN SCIENTIFIC MEETINGS:

- March 1998 “Fas-ligand in Autoimmunity”, Mini-symposium Co-Chair, Park City IV: Pediatric Rheumatology into the Next Century, Park City, UT
- Oct. 2002 “Understanding Children with Rheumatic Diseases: Issues in Clinical Care and Ontogeny of the Immune System”, Study Group Co-Organizer, American College of Rheumatology National Scientific Meeting, New Orleans, LA
- March 2003 “Pediatric Rheumatology 2003: Park City and Beyond”, Abstract Selection Committee and Moderator, Snowmass, CO
- Oct. 2003 “Lymphocyte Activation and Regulation”, Abstract Selection Subcommittees, American College of Rheumatology National Scientific Meeting, Orlando, FL
- Oct. 2003 “Pediatric Rheumatology”, Abstract Selection Subcommittees, American College of Rheumatology National Scientific Meeting, Orlando, FL
- April 2005 “Systemic Lupus Erythematosus” sessions, CARRA, Faculty and Moderator, Pediatric Rheumatology Research Annual Meeting, Denver, CO
- Nov. 2005 “Synoviocyte and NK T Cell Signaling in Autoimmunity”, ACR/EULAR Study Group, Organizer and Moderator, American College of Rheumatology National Scientific Meeting, San Diego, CA
- Nov. 2005 “Transitioning from Fellowship to Your First Academic Appointment”, Young Investigators Subcommittee of the Committee on Scientific Research, Organizer and Moderator, American College of Rheumatology National Scientific Meeting, San Diego, CA
- Nov. 2006 “Regulatory T Cells and Autoimmunity”, ACR/EULAR Study Group, Organizer, American College of Rheumatology National Scientific Meeting, Washington, DC
- Nov. 2006 “Pediatric Rheumatology: Pathogenesis and Genetics I”, Co-Moderator, American College of Rheumatology National Scientific Meeting, Washington, DC
- Nov. 2007 “Vasculopathy and Autoimmunity”, ACR/EULAR Study Group, Organizer and Moderator, American College of Rheumatology National Scientific Meeting, Boston, MA
- Nov. 2007 “Pediatric Rheumatology Pathogenesis and Genetics”, Abstract Selection Subcommittee, American College of Rheumatology National Scientific Meeting, Boston, MA

- March 2008 “Basic Sciences”, Abstract Selection Subcommittee, ACR Keystone Pediatric Rheumatology Symposium, Keystone, CO
- May 2008 “Macrophage Activation Syndrome: Diagnosis and Treatment”, Mini-course Symposium, Organizer and Co-moderator, American Pediatric Society/Society for Pediatric Research National Scientific Meeting, Honolulu, HI
- Oct. 2008 “T-Cell Biology and Targets in Autoimmune Disease”, Abstract Selection Subcommittee, American College of Rheumatology National Scientific Meeting, San Francisco, CA
- Oct. 2008 “T-Cell Signaling in Autoimmune Disease”, Moderator, American College of Rheumatology National Scientific Meeting, San Francisco, CA
- Oct. 2009 “Macrophage Activation Syndrome in Systemic JIA”, Macrophage Activation Syndrome Study Group, Organizer and Co-Moderator, American College of Rheumatology National Scientific Meeting, Philadelphia, PA
- Nov. 2010 “Macrophage Activation Syndrome Versus Sepsis”, Macrophage Activation Syndrome Study Group, Organizer and Co-Moderator, American College of Rheumatology National Scientific Meeting, Atlanta, GA
- Nov. 2010 “TMJ Arthritis in JIA: Prevalence, Diagnosis, & Treatment”, Juvenile Arthritis Workgroup (JAW), Organizer and Co-Moderator, American College of Rheumatology National Scientific Meeting, Atlanta, GA
- May 2011 “Basic Science”, Reviewer for Workshops at the Pediatric Academic Societies (APS/SPR) Annual Scientific Meeting, Denver, CO
- Nov. 2011 “Secondary Macrophage Activation Syndrome: Treatment and Outcome”, Macrophage Activation Syndrome Study Group, Organizer and Co-Moderator, American College of Rheumatology National Scientific Meeting, Chicago, IL
- Nov. 2011 “Inflammatory TMJ Arthritis: Beyond JIA”, Juvenile Arthritis Workgroup (JAW), Organizer and Co-Moderator, American College of Rheumatology National Scientific Meeting, Chicago, IL
- May 2012 “Allergy, Immunology, and Rheumatology”, Abstract Selection Subcommittee, Pediatric Academic Societies (APS/SPR), Boston, MA
- June 2012 Abstract Selection Subcommittee, “UAB Spring Immunology Symposium”, Birmingham, AL

- Nov. 2012 “Cytokines and Signaling in MAS”, Macrophage Activation Syndrome Study Group, Organizer and Co-Moderator, American College of Rheumatology National Scientific Meeting, Washington, DC
- Nov. 2012 “Imaging and Treatment of Inflammatory TMJ Arthritis”, Juvenile Arthritis Workgroup (JAW), Organizer and Co-Moderator, American College of Rheumatology National Scientific Meeting, Washington, DC

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29. Arabshahi, B., Dewitt, E.M., Cahill, A.M., Kaye, R.D., and **Cron, R.Q.** 2004. Evaluation of corticosteroid injection for TMJ arthritis in children with JRA (abstract). Scientific Meeting of The TMJ Association, Bethesda, MD, *accepted*. [Travel Award recipient]
30. Cahill, A.M., Baskin, K.M., Kaye, R.D., Towin, R.B., Arabshahi, B., Dewitt, E.M., and **Cron, R.** 2004. CT guided percutaneous steroid injection for treatment of inflammatory arthropathy of the temporomandibular joint in children (abstract). Society for Pediatric Radiology Annual Meeting. S46.
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32. Arabshahi, B., Dewitt, E.M., Cahill, A.M., Kaye, R.D., and **Cron, R.Q.** 2004. Evaluation of corticosteroid injection for TMJ arthritis in children with JIA (abstract). American College of Rheumatology Program Book Supplement for ACR Annual Scientific Meeting, page 10.
33. Dai, L., Schumacher, H.R., Chen, L.X., **Cron, R.Q.**, and Pessler, F. 2004. Identification of nuclear factor of activated T cells (NFAT) family members in synovial fluid cells (abstract). *Inflamm. Res.* 53 (suppl 3):S224.
34. Scalzi, L.V., Flagg, S.D., Genin, A., Cucchiarra, A.J., Van Dyke, A.L., Chander, A., Robbins, E., **Cron, R.Q.**, and Von Feldt, J.M. 2004. Coronary calcification (CAC) measured by electron beam computed tomography (EBCT) is significantly higher in SLE patients compared to age, gender, and race matched Controls. Homocysteine levels, and disease duration independently correlate with coronary calcification in SLE patients. Lupus Research Institute annual meeting (abstract), *submitted*.
35. Arabshahi, B., Dewitt, E.M., Cahill, A.M., Kaye, R.D., Pessler, F., and **Cron, R.Q.** 2005. Evaluation of corticosteroid injection for temporomandibular arthritis in children with juvenile idiopathic arthritis (abstract). *Ann. Rheum. Dis.* 64 (suppl 3):503.
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37. Dai, L., Schumacher, R., Shi, J., Einhorn, E., **Cron, R.Q.**, and Pessler, F. 2005. Immunohistochemical localization of NFAT transcription factors in the synovial vasculature (abstract). *Ann. Rheum. Dis.* 64 (suppl 3):562.

38. Zhang, M., Clausell, A., Chen, E., Johnson, L., and **Cron, R.Q.** 2005. c-maf cooperates with NFAT2 to augment HIV-1 transcription in T-helper-2 CD4 T cells (abstract). Stokes Scientific Retreat. 15:116. [honorable mention award winner]
39. Pessler, F., Dai, L., Wu, Y., Monash, B., Pradhan, M., and **Cron, R.Q.** 2005. The spectrum of renal tubular acidosis in pediatric Sjogren syndrome (abstract). Stokes Scientific Retreat. 15:79.
40. Dai, L., Schumacher, R., Shi, J., Einhorn, E., **Cron, R.Q.**, and Pessler, F. 2005. Immunohistochemical localization of NFAT transcription factors in the synovial vasculature (abstract). Stokes Scientific Retreat. 15:78.
41. Arabshahi, B., Dewitt, E.M., Cahill, A.M., Kaye, R.D., Pessler, F., and **Cron, R.Q.** 2005. Evaluation of corticosteroid injection for temporomandibular arthritis in children with juvenile idiopathic arthritis (abstract). Stokes Scientific Retreat. 15:6.
42. Fitch, P.G., Rettig, P., Burnham, J.M., Finkel, T.H., Yan, A.C., Akin, E., and **Cron, R.Q.** 2005. Treatment of pediatric localized scleroderma with methotrexate (abstract). *Pediatr. Res.* 57:??.
43. Arabshahi, B., Dewitt, E.M., Cahill, A.M., Kaye, R.D., and **Cron, R.Q.** 2005. Evaluation of corticosteroid injection for temporomandibular arthritis in children with juvenile idiopathic arthritis (abstract). SPR meeting 2005, *accepted*.
44. Zoltick, P.W., Genin, A., Flake, A.W., and **Cron, R.Q.** 2005. Gene therapy for X-linked hyper-IgM syndrome (abstract). Stokes Scientific Symposium, *invited to speak*, page 19.
45. Zoltick, P.W., Genin, A., Flake, A.W., and **Cron, R.Q.** 2005. Gene therapy for X-linked hyper-IgM syndrome (abstract). *Clin Immunol.* 116:304. *invited talk*.
46. Behrens, E., Beukelman, T., **Cron, R.Q.**, and Pessler, F. 2005. Secondary hemophagocytic lymphohistiocytosis: clinical and laboratory features in a recent cohort (abstract). *Clin Immunol.* 116:298-299. *invited talk*.
47. **Cron, R.Q.**, Genin, A., and Brunner, M. 2005. Increased CD4 T cell transcription in lupus CD4 T cells correlates with increase NFAT activity (abstract). *Arthritis Rheum.* 52 (suppl 9):S203.
48. Beukelman, T., Arabshahi, B., Cahill, A.M., Kaye, R.D., and **Cron, R.Q.** 2005. Benefit of intraarticular corticosteroid injection under fluoroscopic guidance for subtalar arthritis in juvenile idiopathic arthritis (abstract). *Arthritis Rheum.* 52 (suppl 9):S85.
49. Doris, B., Parks, J., Rankin, C., Schonbeck, U., **Cron, R.**, St. Clair, R., and Mishra, N. 2005. Histone deacylase inhibitors may prevent atherosclerosis while treating lupus (abstract). *Arthritis Rheum.* 52 (suppl 9):S698. *invited talk*.
50. Zhang, M., Clausell, A., Chen, E., Johnson, L., and **Cron, R.** 2005. c-maf cooperates with NFAT2 to augment HIV-1 transcription in T-helper-2 CD4 T cells (abstract). UPenn CFAR 7th Annual Retreat, page 33.
51. Selliah, N., DeSimone, D., Brunner, M., Kim, H., Zhang, M., Ittenbach, R., Rui, H., **Cron, R.Q.**, and Finkel, T.H. 2005. The gamma-c-cytokine regulated transcription factor, STAT5, activates HIV-1 transcription and viral replication in primary CD4 T cells (abstract). UPenn CFAR 7th Annual Retreat, page 25.
52. Zhang, M., Clausell, A., Chen, E., Johnson, L., and **Cron, R.Q.** 2005. c-maf cooperates with NFAT2 to augment HIV-1 transcription in IL-4 producing CD4 T cells (abstract). *Retrovirology*, 2(suppl 1):60.
53. Zhang, M., Clausell, A., Chen, E., Johnson, L., and **Cron, R.Q.** 2005. c-maf cooperates with NFAT2 to augment HIV-1 transcription in T-helper-2 CD4 T cells (abstract). University of Pennsylvania Immunology Graduate Group annual retreat, *submitted*.

54. Behrens, E.M., and **Cron, R.Q.** 2005. Use of an interleukin-1 receptor antagonist for severe macrophage activation syndrome (abstract). American College of Rheumatology Annual Scientific Meeting, Program Book Supplement, page 59.
55. Arabshahi, B., Bilaniuk, L.T., Johnson, A.M., and **Cron, R.Q.** 2005. Temporomandibular joint (TMJ) arthritis: diagnosis, incidence and predictors of active disease in juvenile idiopathic arthritis (abstract). American College of Rheumatology Annual Scientific Meeting, Program Book Supplement, pages 36-37. Awarded Earl J. Brewer Research Award.
56. Fitch, P.G., Rettig, P., Burnham, J.M., Finkel, T.H., Yan, A.C., Akin, E., and **Cron, R.Q.** 2005. Treatment of pediatric localized scleroderma with methotrexate (abstract). American College of Rheumatology Annual Scientific Meeting, Program Book Supplement, pages 63-64.
57. Arabshahi, B., Dewitt, E.M., Cahill, A.M., Kaye, R.D., Baskin, K., and **Cron, R.Q.** 2005. Utility of intra-articular corticosteroids for treatment of temporomandibular joint (TMJ) arthritis in juvenile idiopathic arthritis (JIA) (abstract). American College of Rheumatology Annual Scientific Meeting, Program Book Supplement, page 47.
58. Pessler, F., Emery, H., Dai, L., Wu, Y., Monash, B., Pradhan, M., and **Cron, R.Q.** 2005. The spectrum of renal tubular acidosis in pediatric Sjogren syndrome (abstract). American College of Rheumatology Annual Scientific Meeting, Program Book Supplement, page 65.
59. Pessler, F., Dai, L., Einhorn, E., **Cron, R.Q.**, and Schumacher, H.R. 2005. Expression of nuclear factor of activated T cells (NFAT) transcription factors in the synovial subintima distinguishes RA from OA (abstract). American College of Rheumatology Annual Scientific Meeting, Program Book Supplement, page 29. Awarded ACR/REF Pediatric Rheumatology Research Award.
60. **Cron, R.Q.**, and Torgerson, T.R. 2006. Inhibition of NFAT2 expression by FOXP3 (abstract). *J. Immunol.* 176 (suppl):S198-S199.
61. Zhang, M., Ma, Z., Selliah, N., Genin, A., Finkel, T.H., and **Cron, R.Q.** 2006. Influence of nucleofection on primary human CD4 T cells and optimization for transient transfection of plasmid DNA (abstract). *AAI 2006 Late Breaking Abstracts supplement*:page 55.
62. Pessler, F., Dai, L., Einhorn, E., **Cron, R.Q.**, and Schumacher, H.R. 2006. Over-expression of the calcium-calciueurin-NFAT (NFAT) signaling pathway in rheumatoid arthritis synovium (abstract). *Ann. Rheum. Dis.* 65 (suppl 1):A23. Annual European Workshop for Rheumatology Research, Heraklion, Crete, *invited talk*.
63. Zhang, M., Ma, Z., Selliah, N., Genin, A., Weiss, G., Finkel, T.H., and **Cron, R.Q.** 2006. Influence of nucleofection on primary human CD4 T cells and optimization of a nucleofection protocol for transient transfection of plasmid DNA (abstract). CHOP poster day, page 110.
64. Behrens, E., Beukelman, T., Paessler, M., and **Cron, R.Q.** 2006. Occult macrophage activation syndrome in systemic juvenile idiopathic arthritis (abstract). CHOP poster day, page 11.
65. Zhang, M., Ma, Z., Selliah, N., Genin, A., Weiss, G., Finkel, T.H., and **Cron, R.Q.** 2006. Influence of nucleofection on primary human CD4 T cells and optimization of a nucleofection protocol for transient transfection of plasmid DNA (abstract). Stokes Scientific Retreat. 16:67.
66. **Cron, R.Q.**, Genin, A. and Torgerson, T.R. 2006. Inhibition of NFAT2 expression by the regulatory T cell transcription factor, FOXP3 (abstract). Stokes Scientific Retreat. 16:15.
67. Arabshahi, B., Bilaniuk, L.T., Johnson, A.M., Bellah, R.D., and **Cron, R.Q.** 2006. Temporomandibular joint arthritis: incidence, diagnosis and predictors of active disease in juvenile idiopathic arthritis (abstract). Stokes Scientific Retreat. 16:46

68. Behrens, E., Beukelman, T., Paessler, M., and **Cron, R.Q.** 2006. Occult macrophage activation syndrome in systemic juvenile idiopathic arthritis (abstract). *Arthritis Rheum.* 54 (suppl 9):S695.
69. Becker, M.L., **Cron, R.Q.**, Lautenbach, E., Sherry, D.D., and Rose, C.D. 2006. Hepatic enzyme abnormalities in children with JIA receiving high dose methotrexate (abstract). *Arthritis Rheum.* 54 (suppl 9):S166-167.
70. **Cron, R.Q.**, and Orgun, N. 2006. Role of STAT5 in IL-15-augmented CD154 transcription in SLE (abstract). *Arthritis Rheum.* 54 (suppl 9):S602.
71. Becker, M.L., **Cron, R.Q.**, Lautenbach, E., Sherry, D.D., and Rose, C.D. 2006. Clinical outcomes in children with JIA receiving low versus high dose methotrexate (abstract). *Arthritis Rheum.* 54 (suppl 12):S??.
72. Becker, M.L., **Cron, R.Q.**, Lautenbach, E., Sherry, D.D., and Rose, C.D. 2006. High dose vs. standard dose methotrexate in JIA: effects on liver toxicity and clinical response (abstract). American College of Rheumatology Annual Scientific Meeting, Program Book Supplement, pages 30-31.
73. Behrens, E.M., Beukelman, T., Gallo, L., Spangler, J., Rosenkranz, M., Arkachaisri, T., Ayala, R., Groh, B., Finkel, T.H., and **Cron, R.Q.** 2006. Pennsylvania systemic onset juvenile arthritis registry (PASOJAR): presenting characteristics and demographic data of a large cohort (abstract). American College of Rheumatology Annual Scientific Meeting, Program Book Supplement, page 33.
74. Zhang, M., and **Cron, R.Q.** 2007. c-maf, NFAT2 and NFκB p65 specifically cooperate to augment HIV-1 transcription in IL-4 producing CD4 T cells (abstract). *J. Immunol.* 178:35.28.
75. Zhang, M., Clausell, A., Chen, E., Johnson, L., and **Cron, R.Q.** 2007. c-maf, NFAT2 and NFκB p65 specifically cooperate to augment HIV-1 transcription in IL-4 producing CD4 T cells (abstract). CHOP poster day, page 76.
76. Behrens, E.M., Beukelman, T., Gallo, L., Spangler, J., Rosenkranz, M., Arkachaisri, T., Ayala, R., Groh, B., Finkel, T.H., and **Cron, R.Q.** 2007. Presenting characteristics of systemic onset juvenile rheumatoid arthritis (abstract). CHOP poster day, page 7.
77. Becker, M.L., **Cron, R.Q.**, Lautenbach, E., Sherry, D.D., and Rose, C.D. 2007. Association of methotrexate dose with hepatic enzyme abnormality in juvenile idiopathic arthritis (abstract). *Pediatr. Res.* 61:??A, *accepted*.
78. **Cron, R.Q.**, Wells, A.D., and Torgerson, T.R. 2007. FoxP3 represses effector CD4 T cell function via inhibition of activation induced NFAT2 transcription (abstract). *Arthritis Rheum.* 56 (suppl 9):S756.
79. Weiss, P.F., Arabshahi, B., Johnson, A., Bilaniuk, L.T., Feudtner, C., and **Cron, R.Q.** 2007. High prevalence of temporomandibular joint arthritis at disease onset in children with juvenile idiopathic arthritis as detected by MRI but not by ultrasound (abstract). *Arthritis Rheum.* 56 (suppl 9):S144.
80. Weiss, P.F., Arabshahi, B., Johnson, A., Bilaniuk, L.T., Feudtner, C., and **Cron, R.Q.** 2008. High prevalence of temporomandibular joint arthritis at disease onset in children with juvenile idiopathic arthritis as detected by MRI but not by ultrasound (abstract). *Pediatr. Rheumatol.*, *accepted*.
81. **Cron, R.Q.**, Beukelman, T., Reed, A.B., and Behrens, E.M. 2008. IL-1 antagonism for treatment of macrophage activation syndrome (abstract). *Arthritis Rheum.* 58 (suppl 9):S247-S248.

82. Donnithorne, K., **Cron, R.Q.**, and Beukelman, T. 2008. Treatment with tumor necrosis factor alpha inhibitors in early versus established juvenile idiopathic arthritis (abstract). Medical Student Research Day. University of Alabama at Birmingham. Award winning abstract.
83. Wright, S., Nogueira, J., Thame, K., Atkinson, P., **Cron, R.Q.**, and Saeed, S. 2009. Successful treatment of intractable gastrointestinal bleeding in Henoch Schonlein purpura with rituximab: First reported case (abstract). Southern Society for Pediatric Research annual meeting. New Orleans, LA, *submitted*.
84. **Cron, R.Q.**, Genin, A., and Orgun, N.N. 2009. IL-15 prolongs CD154 expression via STAT5 engagement of the proximal CD154 promoter (abstract). American Association of Immunology annual scientific meeting. Seattle, WA. *J. Immunol.* 182:99.48.
85. Good, J.M., **Cron, R.Q.**, and Waite, P.D. 2009. TMJ involvement in juvenile idiopathic arthritis: prevalence, clinical and radiographic signs, and utility of corticosteroid injections (abstract). American Association of Oral and Maxillofacial Surgery annual scientific meeting. Toronto, Ontario. *J. Oral Maxillofac. Surg.* 67:93-94.
86. Shakoory, B., Sanders, R.D., Reddy, V., Alarcon, G.S., **Cron, R.Q.**, and Chatham, W.W. 2009. Multi-organ dysfunction, high SLEDAI scores, and markedly elevated ferritin levels correlate with macrophage activation syndrome in adult patients with SLE (abstract). *Arthritis Rheum.* 60 (suppl 10):S104-S105.
87. Shakoory, B., Sanders, R.D., Reddy, V., Alarcon, G.S., **Cron, R.Q.**, and Chatham, W.W. 2009. The size, but not the number, of CD-163+ histiocytes in the bone marrow predicts macrophage activation syndrome in adults with systemic lupus erythematosus (abstract). *Arthritis Rheum.* 60 (suppl 10):S106.
88. **Cron, R.Q.**, Genin, A., Brunner, M., Scalzi, L.V., Mishra, N., Beukelman, T., and Mehta, J. 2010. Prolonged CD154 expression in pediatric lupus CD4 T cells correlates with increased CD154 transcription, increased NFAT activity, and glomerulonephritis (abstract). *J. Immunol.* 184:135.4.
89. Shakoory, B., Sanders, R.D., Reddy, V., Alarcon, G.S., **Cron, R.Q.**, and Chatham, W.W. 2010. Multi-organ dysfunction, high SLEDAI scores, and markedly elevated ferritin levels correlate with macrophage activation syndrome in adult patients with SLE (abstract). UAB Trainee Research Symposium. Birmingham, AL, *accepted*.
90. **Cron, R.Q.**, Beukelman, T., Bemrich-Stolz, C., and Watts, R.G. 2010. IL-1 antagonism for treatment of macrophage activation syndrome (abstract). *Pediatr. Blood Cancer*, *accepted*.
91. Foeldvari, I., Tzaribachev, N., Wierk, A., and **Cron, R.** 2010. Results of a multinational survey regarding diagnosis and treatment of the temporomandibular joint involvement in juvenile idiopathic arthritis (abstract). *Ann. Rheum. Dis.*, *submitted*. [PRES 2010, Valencia, Spain]
92. Davi, S., Consolaro, A., Guseinova, D., Martini, A., **Cron, R.**, and Ravelli, A. 2010. International consensus survey of the diagnostic criteria for macrophage activation syndrome in systemic juvenile idiopathic arthritis (abstract). *Ann. Rheum. Dis.*, *submitted*. [PRES 2010, Valencia, Spain]
93. Davi, S., Consolaro, A., Guseinova, D., Martini, A., **Cron, R.Q.**, and Ravelli, A. 2010. International consensus survey of the diagnostic criteria for macrophage activation syndrome in systemic juvenile idiopathic arthritis (abstract). *Arthritis Rheum.* 62 (suppl 10):S208. [ACR 2010, Atlanta, GA]

94. Nigrovic, P.A., Mannion, M., Zeft, A., Rabinovich, E., van Rossum, M.A.J., Cortis, E., Pardeo, M., Miettunen, P.M., Janow, G., Birmingham, J., Eggebeen, A., Janssen, E., Shulman, A.I., Son, M.B., Hong, S., Jones, K., Ilowite, N.T., **Cron, R.Q.**, and Higgins, G.C. 2010. Anakinra as first-line disease modifying therapy in systemic juvenile idiopathic arthritis: report of 46 patients from an international multicenter series (abstract). *Arthritis Rheum.* 62 (suppl 10):S89-S90. [ACR 2010, Atlanta, GA]
95. Record, J., Beukelman, T., and **Cron, R.Q.** 2010. High prevalence of inflammatory myositis in patients with pediatric systemic lupus erythematosus in a US southeastern state (abstract). *Arthritis Rheum.* 62 (suppl 10):S700. [ACR 2010, Atlanta, GA]
96. Sharpe, T., Good, J., Beukelman, T., Waite, P.D., and **Cron, R.Q.** 2010. Benefit of intra-articular corticosteroid injections by oral and maxillofacial surgery treating temporomandibular joint arthritis in children with juvenile idiopathic arthritis (abstract). *Arthritis Rheum.* 62 (suppl 10):S213. [ACR 2010, Atlanta, GA]
97. Shakoory, B., Chatham, W.W., Alarcon, G.S., and **Cron, R.Q.** 2010. Renal dysfunction is associated with increased mortality in adults with macrophage activation syndrome (abstract). *Arthritis Rheum.* 62 (suppl 10):S695. [ACR 2010, Atlanta, GA]
98. Sasser, W., Tucci, M., Walley, S., Winkler, M., Hoover, W., and **Cron, R.Q.** 2010. Presentation of pediatric Wegener granulomatosis complicated by Legionella pneumonia (abstract). Southern Society for Pediatric Research annual meeting. New Orleans, LA, *accepted*.
99. Sasser, W., Tucci, M., Walley, S., Winkler, M., Hoover, W., and **Cron, R.Q.** 2010. Presentation of pediatric Wegener granulomatosis complicated by Legionella pneumonia (abstract). American Thoracic Society International Conference. Denver, CO, *submitted*.
100. Record, J., Beukelman, T., and **Cron, R.Q.** 2011. High prevalence of inflammatory myositis in patients with pediatric systemic lupus erythematosus in a US southeastern state (abstract). *Pediatr. Res.* 69:A??. *accepted*. [APS/SPR annual meeting in Denver, CO]
101. Lattanzi, B., Davis, S., Rosina, S., Demirkaya, E., Ruperto, N., Martini, A., **Cron, R.Q.**, and Ravelli, A. 2011. Sensitivity and specificity of current guidelines in children with macrophage activation syndrome complicating systemic juvenile idiopathic arthritis (abstract). *Ann. Rheum. Dis.*, *submitted*. [EULAR, London, England]
102. Lattanzi, B., Davis, S., Rosina, S., Demirkaya, E., Ruperto, N., Martini, A., **Cron, R.Q.**, and Ravelli, A. 2011. Sensitivity and specificity of current guidelines in children with macrophage activation syndrome complicating systemic juvenile idiopathic arthritis (abstract). *Pediatr. Rheumatol. Online J.*, *submitted*. [Pediatric Rheumatology Symposium, Miami, FL]
103. **Cron, R.Q.**, Fain, E., Atkinson, G., Weiser, P., and Beukelman, T. 2011. Temporomandibular joint arthritis in patients with non-JIA childhood arthritis (abstract). *Pediatr. Rheumatol. Online J.*, *submitted*. [Pediatric Rheumatology Symposium (PRSYM), Miami, FL]
104. **Cron, R.Q.**, and Genin, A. 2011. Generation of human CD154 BAC transgenic mice to explore therapy for X-linked Hyper-IgM syndrome (XHIM) (abstract). *J. Immunol.*, *submitted*. [AAI Annual Scientific Meeting, San Francisco, CA]
105. **Cron, R.Q.**, and Waite, P.D. 2011. Intra-articular infliximab treatment of refractory TMJ arthritis in children with JIA (abstract). *Arthritis Rheum.* 63 (suppl 10):S103-S104. [ACR 2011, Chicago, IL]

106. Davi, S., Lattanzi, B., Demirkaya, E. Rosina, S., Novelli, A., Ruperto, N., Martini, A., **Cron, R.Q.**, and Ravelli, A. 2012. Clinical and therapeutic features of 270 patients with macrophage activation syndrome (abstract). *Ann. Rheum. Dis.*, *submitted*. [EULAR, Berlin, Germany]
107. Morlandt, A.B.M., Stoll, M.L., **Cron, R.Q.**, Teerawattanapong, S., and Waite, P.D. 2012. Intra-articular infliximab treatment improves refractory TMJ arthritis in children with juvenile idiopathic arthritis (abstract). *J. Oral Maxillofac. Surg.*, *submitted*. [AAOMS Annual Meeting, San Diego, CA]
108. Powell, T.C., McGwin, Jr., G., Vila, L.M., Santiago-Casas, Y., Petri, M., Ramsey-Goldman, R., Reveille, J.D., Duran, S., Toloza, S., Brey, R., Escalante, A., **Cron, R.**, Kimberly, R.P., Alarcon, G.S., and Brown, E.E. 2012. Differences in the SLE clinical phenotype by age of diagnosis (abstract). *Arthritis Rheum.* 64 (suppl 10):*accepted*. [ACR 2012, Washington, DC]

Oral Presentations by Dr. Cron:

109. **Cron, R.Q.**, Bort, S.J., Schubert, L.A., and Lewis, D.B. 1998. Decreased NFAT1: a potential mechanism for decreased cytokine production by neonatal T cells (abstract #25). Pediatric Academic Societies' Annual Meeting. New Orleans, LA.
110. **Cron, R.Q.**, Schubert, L.A., and Lewis, D.B. 1998. Identification of an enhancer element located downstream of the CD40-ligand gene (abstract). American College of Rheumatology Annual Scientific Meeting. San Diego, CA. *Arthritis Rheum.* 41 (suppl 9):S235.
111. **Cron, R.Q.**, and Brunner, M. 2000. Transcriptional regulation of CD154 (CD40-ligand) in primary CD4 T lymphocytes (abstract). MAPS-CHRC national meeting, Bethesda, MD.
112. **Cron, R.Q.**, Genin, A., and Brunner, M. 2001. Regulation of CD154 in systemic lupus erythematosus (abstract). EULAR meeting. Prague, Czech Republic. *Ann. Rheum. Dis.* 60 (suppl I):82.
113. **Cron, R.Q.**, Lee, P., Genin, A., and Lewis, D.B. 2001. Generation of conditional NFAT1 transgenic mice (abstract). American College of Rheumatology Annual Scientific Meeting. San Francisco, CA.
114. **Cron, R.Q.**, and Brunner, M. 2002. Identification of a novel GATA-regulated CD154 transcriptional enhancer (abstract). SLE: Targets for New Therapeutics. Bethesda, MD.
115. **Cron, R.Q.**, Genin, A., and Brunner, M. 2002. Identification of a novel GATA-regulated CD154 transcriptional enhancer (abstract). Experimental Biology meeting. New Orleans, LA. *FASEB J.* 16:A694.
116. **Cron, R.Q.**, Genin, A., and Brunner, M. 2002. A novel GATA-regulated CD154 transcriptional enhancer (abstract). EULAR meeting. Stockholm, Sweden. *Ann. Rheum. Dis.* 61 (suppl I):8.
117. **Cron, R.Q.**, Brunner, M., and Genin, A. 2003. Regulation of CD154 in pediatric systemic lupus erythematosus (abstract). Pediatric Rheumatology International Meeting. Snowmass, CO, *Pediatr. Rheumatol. Online J.*, *in press*.
118. **Cron, R.Q.**, Genin, A., and Brunner, M. 2003. Identification of a novel GATA-regulated CD154 transcriptional enhancer (abstract). Society for Pediatric Research Meeting. Seattle, WA. *Pediatr. Res.*, 53:17A.
119. **Cron, R.Q.**, Bandyopadhyay, R., Genin, A., Brunner, M., Kersh, G.J., and Crow, M.K. 2003. Egr-1 regulates CD154 transcription (abstract). Arthritis Research Conference. Keystone, CO, *accepted*.

120. **Cron, R.Q.**, Bandyopadhyay, R., Genin, A., Brunner, M., Kersh, G.J., and Crow, M.K. 2003. Egr-1 regulates CD154 transcription (abstract). American College of Rheumatology Meeting. Orlando, FL. *Arthritis Rheum.* 48 (suppl 9):S650-S651.
121. **Cron, R.Q.**, Centola, M., Frank, B., Dozmoroz, I., Genin, A., and Torgerson, T.R. 2006. Inhibition of NFAT2 expression by FOXP3 (abstract). Keystone Symposia – Lymphocyte Activation and Signaling, Steamboat, CO.
122. **Cron, R.Q.**, and Torgerson, T.R. 2006. Inhibition of NFAT2 transcription by the regulatory T cell transcription factor, FOXP3 (abstract). American College of Rheumatology Annual Scientific Meeting, Washington, D.C.
123. **Cron, R.Q.**, Wells, A.D., and Torgerson, T.R. 2008. Inhibition of NFAT2 expression by FOXP3 (abstract). Experimental Biology Annual Scientific Meeting. San Diego, CA. *J. Immunol.*
124. **Cron, R.Q.** 2009. TMJ in JIA, the most frequently involved joint is the most commonly involved (abstract). EULAR Annual Scientific Congress, Copenhagen, Denmark. *Ann. Rheum. Dis.* ??
125. **Cron, R.Q.**, Zhang, M., Bemrich-Stolz, C.J., and Beukelman, T. 2012. Rapid and effective response to immunosuppression in treating macrophage activation syndrome associated with a heterozygous dominant negative mutation in RAB27a leading to decreased cytolytic capacity (abstract). *Arthritis Rheum.* 64 (suppl 10):??. [ACR 2012, Washington, DC]

Oral Presentations by Co-Authors:

126. Hamilton, B.J., Genin, A., **Cron, R.Q.**, and Rigby, W.F.C. 2003. CD154 (CD40 Ligand) expression is regulated through a unique post-transcriptional pathway (abstract). Arthritis Research Conference, Keystone, CO, *accepted*. [oral presentation by Dr. Rigby]
127. Cahill, A.M., Kaye, R.D., Baskin, K.M., Arabshahi, B., Dewitt, E.M., **Cron, R.**, and Towbin, R.B. 2004. CT guided percutaneous steroid injection for treatment of inflammatory arthropathy of the temporomandibular joint (TMJ) in children (abstract). Cardiovascular and Interventional Radiologic Society of Europe Annual Meeting. [accepted for oral presentation by Dr. Cahill]
128. Burnham, J.M., Jr., Shults, J., Finkel, T.H., **Cron, R.Q.**, Sherry, D.D., Zemel, B.S., and Leonard, M.B. 2004. Cortical bone strength, trabecular volumetric density, and muscle mass are decreased in JRA (abstract). *Arthritis Rheum.* 50 (suppl 9):S265. [oral presentation by Dr. Burnham]
129. Mehta, J., Genin, A., Brunner, M., Beukelman, T., Scalzi, E.V., Mishra, N., and **Cron, R.Q.** 2008. Prolonged CD154 expression in pediatric lupus CD4 T cells correlates with increased NFAT activity, NFATc1 levels, and glomerulonephritis (abstract). *Pediatr. Rheumatol.*, *accepted for oral presentation by Dr. Mehta*.
130. Mehta, J., Genin, A., Brunner, M., Beukelman, T., Scalzi, E.V., Mishra, N., and **Cron, R.Q.** 2008. Prolonged CD154 expression in pediatric lupus CD4 T cells correlates with increased NFAT activity, NFATc1 levels, and glomerulonephritis (abstract). Clinical Immunology Society, Spring School in Systemic Autoimmune Diseases, *accepted for oral presentation by Dr. Mehta*.
131. Bernatsky, S., Labrecque, J., Clarke, A.E., von Scheven, E., Schanberg, L., Silverman, E., Brunner, H., **Cron, R.Q.**, O'Neil, K., Oen, K., Rosenberg, A., Duffy, C., Lee, J.L., Kale, M., Turnball, E., and Ramsey-Goldman, R. 2012. Cancer risk in pediatric-onset SLE (abstract). *Arthritis Rheum.* 64 (suppl 10):*submitted*. [ACR 2012, Washington, DC] [presented as an oral presentation by Dr. Bernatsky]

132. Stoll, M.L., Morlandt, A.B.P., Terrawattanapong, S., Young, D., Waite, P.D., and **Cron, R.Q.**
2012. Safety and efficacy of intra-articular infliximab therapy for treatment resistant temporomandibular joint arthritis in children (abstract). *Arthritis Rheum.* 64 (suppl 10):??. [ACR 2012, Washington, DC] [presented as an oral presentation by Dr. Stoll]

PATENTS:

- Sept., 2003 “Methods and Compositions for Increasing CD4+ T Lymphocyte Immune Responses”,
US Application No. 10/673,882, University of Pennsylvania

JOURNAL ARTICLE REVIEWER:

Section Leader for Paper Reports:

Arthritis Research, 2001-2003

Ad-Hoc Reviewer:

American Journal of Pathology
American Journal of Physiology – Cell Physiology
Archives of Pediatric & Adolescent Medicine
Arthritis and Rheumatism
Arthritis Care and Research
Arthritis Research & Therapy
Blood
BMC Medicine
Clinical and Developmental Immunology
Clinical and Diagnostic Laboratory Immunology
Clinical Drug Investigation
Clinical and Experimental Rheumatology
Clinical and Vaccine Immunology
Clinical Immunology
Clinics and Practice
European Journal of Immunology
Expert Opinion on Biological Therapy
Expert Opinion on Pharmacotherapy
Expert Review of Clinical Immunology
FASEB Journal
Future Rheumatology
Gene Therapy
Genes and Immunity
Human Immunology
Immunological Investigations
Infection and Immunity
Inflammation
International Journal of Immunogenetics
International Journal of Inflammation
International Journal of Rheumatology
Journal of Biological Chemistry
Journal of Clinical Immunology
Journal of Clinical Investigation
Journal of Clinical Rheumatology
Journal of Immunology
Journal of Leukocyte Biology
Journal of Pediatric Hematology/Oncology
Journal of Perinatology
Journal of Rheumatology

Molecular and Cellular Biology
New England Journal of Medicine
Pediatric Drugs
Pediatric Rheumatology
Pediatric Rheumatology Online Journal
Pediatrics
Pediatrics International
PLoS Pathogens
Rheumatology
Scandinavian Journal of Rheumatology
Seminars in Arthritis and Rheumatism
Virology
Virology Journal
Virus Research

MISCELLANEOUS/VOLUNTEER WORK:

1. American Board of Pediatrics, General Pediatrics Board, question writer, 1995-2006
2. American Board of Pediatrics, Pediatric Rheumatology Board, question writer, 1999-2006
3. Camp JRA – camp physician/co-medical director, Millville, PA, July 2000-2007
4. Interviewee for West Chester University undergraduate course, History 445, April 2001
5. Assisting Editor/Medical Advisor for *Families in Touch* newsletter, a publication of the American Juvenile Arthritis Organization, 2002-present
6. Medical Advisor for *Kids Get Arthritis, Too*, a publication of the Arthritis Foundation, 2003
7. Invited speaker/guest, Juvenile Myositis Fund Raiser, Berretone Family Golf Outing/Auction, September 2003-2006
8. Speaker, “Genetics and Juvenile Arthritis” - American Juvenile Arthritis Organization (AJAO) National Conference, Hershey, PA, July 2007
9. Speaker, JIA Saturday, Arthritis Foundation sponsored outing for families of children with rheumatic diseases, Birmingham, AL, September 2007
10. Speaker, Arthritis Foundation, Jingle Bell Run/Walk for Arthritis, Kick-off Luncheon, St. Vincent’s Hospital, Birmingham, AL, October 2007
11. Non-paid consultant to book author, Kelly Rouba, for a book on juvenile arthritis, “Juvenile Arthritis: The Ultimate Teen Guide”, from Scarecrow Press as part of the “It Happened to Me” series, 2008
12. Camp MASH – camp physician, Mobile, AL, August 2008-present
13. Interviewee for University of Alabama, education graduate student, Ashley Perry, for course, BCE 542, Medical Aspects of Disabilities, October 2008
14. Speaker, “Cars, Keys and a Cure” Birmingham car show gala fund raiser for Autism and Arthritis, November 2008
15. Speaker, JIA Saturday, Arthritis Foundation sponsored outing for families of children with rheumatic diseases, Huntsville, AL, February 2009, 2010
16. Arthritis Foundation
 - Board of Directors, Alabama Chapter (2009-2010)
 - Alabama Advisory Board (2010-present)
 - Board of Directors, Southeast Region (2010-present)
17. Medical advisor to Jacksonville State University student, Tamara Tellis, for feature article in the COM 410 course, Media Features, 2010
18. Speaker, “JIA & Jaw Issues” - American Juvenile Arthritis Organization (AJAO) National Conference, Philadelphia, PA, July 2010
19. Speaker, “JIA & Jaw Issues” - American Juvenile Arthritis Organization (AJAO) National Conference, Crystal City, VA, July 2011
20. Speaker, Arthritis Foundation, JIA Saturday, Homewood, AL, August 2011
21. Speaker, “Pediatric Sjogren Disease” - Birmingham area Sjogren Support Group, National Sjogren Foundation, Birmingham, AL, March 2012
22. Speaker, “Temporomandibular Joint Arthritis (TMJ) in Childhood Arthritis” -American Juvenile Arthritis Organization (AJAO) National Conference, St. Louis, MO, July 2012
23. Speaker, Arthritis Foundation, JIA Sunday, Montgomery, AL, October 2012



LAY PRESS:

[Covering the article: Arabshahi, B., Dewitt, E.M., Cahill, A.M., Kaye, R.D., Baskin, K.M., Towbin, R.B., and **Cron, R.Q.** 2005. Utility of corticosteroid injection for temporomandibular joint arthritis in children with juvenile idiopathic arthritis. *Arthritis Rheum.* 52:3563-3569.]

1. Kilgore, C. 2005. Steroid injections effective in early TMJ arthritis. *Rheumatology News* 4:13. <http://download.journals.elsevierhealth.com/pdfs/journals/1541-800/PIIS1541980005708127.pdf>
2. Boggs, W. 2005. Corticosteroid injection effective for temporomandibular arthritis. *Reuters Health Information*: http://www.redorbit.com/news/health/331233/steroid_injection_effective_for_tmj_arthritis/

[Covering the article: Yin, J., Ma, Z., Shivers, D.K., **Cron, R.Q.**, and Finkel, T.H. 2006. Effective gene suppression using small interfering RNA in hard-to-transfect human T cells. *J. Immunol. Methods* 312:1-11.]

1. 2006. Interfering RNA silences genes in "slippery" immune cells. *Newswise*: <http://www.newswise.com/articles/view/520/292/>

[Covering the development of a new Pediatric Rheumatology clinic at the University of Alabama at Birmingham School of Medicine/Children's Hospital of Alabama.]

1. Valesco, A. 2007. Specialists in juvenile arthritis start at Children's. *Birmingham News*: http://blog.al.com/spotnews/2007/09/specialists_in_juvenile_arthri.html
2. Lockridge, D. 2007. Pediatric rheumatology comes to Birmingham. *Birmingham Medical News*: <http://www.birminghammedicalnews.com/news.php?viewStory=1044>
3. Valesco, A. 2009. Center celebrates second birthday, addition of third doctor for children with arthritis. *Birmingham News*: <http://www.al.com/news/birminghamnews/metro.ssf?/base/news/1252570531170670.xml&coll=2#continue>

[Covering the article: Weiss, P.F., Arabshahi, B., Johnson, A., Bilaniuk, L.T., Zarnow, D.M., Cahill, A.M., Feudtner, C., and **Cron, R.Q.** 2008. High prevalence of temporomandibular joint arthritis in children with new-onset juvenile idiopathic arthritis as detected by MRI but not by ultrasound. *Arthritis Rheum.* 58:1189-1196.]

1. Mahoney, D. 2008. Screen early for TMJ in juvenile idiopathic arthritis. *Rheumatology News* 7:12-13. <http://download.journals.elsevierhealth.com/pdfs/journals/1541-9800/PIIS1541980008703612.pdf>
2. Douglas, D. 2008. MRI shows frequent temporomandibular joint involvement in juvenile arthritis. *Reuters Health Information*: http://www.rehabpub.com/news/2008-05-14_01.asp

[Covering the abstract: Shakoory, B., Chatham, W.W., Alarcon, G.S., and **Cron, R.Q.** 2010. Renal dysfunction is associated with increased mortality in adults with macrophage activation syndrome (abstract). *Arthritis Rheum.* 62 (suppl 10):S695.]

1. RSi Reporting from the American College of Rheumatology. Nov. 12, 2010. <http://www.rsinewsrxreportingfrom.com/index.aspx?sel=1&myid=129>

[Covering the article: Nigrovic, P.A., Mannion, M., Zeft, A., Rabinovich, E., van Rossum, M.A.J., Cortis, E., Pardeo, M., Miettunen, P.M., Janow, G., Birmingham, J., Eggebeen, A., Janssen, E., Shulman, A.I., Son, M.B., Hong, S., Jones, K., Ilowite, N.T., **Cron, R.Q.**, and Higgins, G.C. 2011. Anakinra as first-line disease modifying therapy in systemic juvenile idiopathic arthritis: report of 46 patients from an international multicenter series. *Arthritis Rheum.* 63:545-555.]

1. Jancin, B. 2011. Big changes in treatment of systemic JIA. *Rheumatology News* 10:30.
2. Schonfeld, A.R. 2011. Systemic JIA guidelines urged early treatment. *Rheumatology News* 10:8,19. <http://download.journals.elsevierhealth.com/pdfs/journals/1541-9800/PIIS1541980011702368.pdf>

[Covering the article: Beukelman, T., Patkar, N.M., Saag, K.G., Tolleson-Rinehart, S., **Cron, R.Q.**, DeWitt, E.M., Ilowite, N.T., Kimura, Y., Laxer, R.M., Lovell, D.J., Martini, A., Rabinovich, C.E., and Ruperto, N. 2011. 2011 American College of Rheumatology recommendations for the treatment of juvenile idiopathic arthritis: initiation and safety monitoring of therapeutic agents for the treatment of arthritis and systemic features. *Arthritis Care Res.* 63:465-482.]

1. Schonfeld, A.R. 2011. ACR issues recommendations for the treatment of juvenile idiopathic arthritis. *Rheumatology News* 10:1,18-19. <http://download.journals.elsevierhealth.com/pdfs/journals/1541-9800/PIIS1541980011702320.pdf>
2. Schonfeld, A.R. 2011. Systemic JIA guidelines urged early treatment. *Rheumatology News* 10:8,19. <http://download.journals.elsevierhealth.com/pdfs/journals/1541-9800/PIIS1541980011702368.pdf>
3. Walsh, N. 2011. New JIA treatment recommendations published. *Medpage Today*: <http://www.medpagetoday.com/Rheumatology/Arthritis/25662>
4. Hollimon, K. 2011. New guidelines for rheumatologists who treat JIA – evidence and consensus-based recommendations reflects current knowledge about initiation of therapy. *The Rheumatologist* 4:60-62. http://www.the-rheumatologist.org/details/article/1052245/New_Guidance_for_Rheumatologists_who_Treat_JIA.html
5. Kelly, J. 2011. First ACR advice for juvenile idiopathic arthritis treatment. *Medscape News*. <http://www.medscape.com/viewarticle/740148>
6. Eustice, C. 2011. ACR recommendations for the treatment of juvenile idiopathic arthritis. About.com. <http://arthritis.about.com/b/2011/04/24/acr-recommendations-for-the-treatment-of-juvenile-idiopathic-arthritis.htm>
7. Walter, T. Formulary.
8. Mehcatic, E. 2011. Is using two biologics in sJIA worth the risk? *Rheumatology News* 10:1,32. <http://download.journals.elsevierhealth.com/pdfs/journals/1541-9800/PIIS1541980011706342.pdf>

[Covering the article: Miettunen, P.M., Narendran, A., Jayanthan, A., Behrens, E.M., and **Cron, R.Q.** 2011. Successful treatment of severe paediatric rheumatic disease-associated macrophage activation syndrome with interleukin-1 inhibition following conventional immunosuppressive therapy: case series with 12 patients [letter]. *Rheumatol.* 50:417-419.]

1. Schonfeld, A.R. 2011. Systemic JIA guidelines urged early treatment. *Rheumatology News* 10:8,19. <http://download.journals.elsevierhealth.com/pdfs/journals/1541-9800/PIIS1541980011702368.pdf>

[Covering the article: Record, J.L., Beukelman, T., and **Cron, R.Q.** 2011. Combination therapy of abatacept and anakinra in children with refractory systemic juvenile idiopathic arthritis: a retrospective case series [letter]. *J. Rheumatol.* 38:179-181.]

1. Mechcatie, E. 2011. Is using two biologics in sJIA worth the risk? *Rheumatology News* 10:1,32. <http://download.journals.elsevierhealth.com/pdfs/journals/1541-9800/PIIS1541980011706342.pdf>