

Curriculum Vitae

Personal Information

Name: **Timothy G. Beukelman**
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Foreign Languages: None
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Hospital and Other (non-academic) Appointments

2008 – 2011 Alabama Children's Rehabilitation Service, Pediatric Rheumatology

Professional Consultantships

Pediatric Education for Drug Safety (PEDS), University of North Carolina, Chapel Hill
Pediatric rheumatology expert panel member, 2007-2008
Agency for Healthcare Research and Quality (AHRQ) Evidence-based Practice Center Program
Technical Expert Panel member, 2009 – 2010
McKesson Health Solutions
Expert reviewer of specialty pharmaceutical drug use algorithms, 2011, 2013-15
Novartis
Systemic Juvenile Idiopathic Arthritis Advisory Board, 2012
Canakinumab Phase III Advisory Board, 2012
Systemic Juvenile Idiopathic Arthritis Advisory Board, 2013
Review of educational materials, 2013
Autoinflammatory Diseases Advisory Board, 2013
Systemic Juvenile Idiopathic Arthritis Advisory Board, 2014
Safety of Canakinumab and SJIA Disease Awareness Advisory Board, 2015
Genentech/Roche
Polyarticular and Systemic JIA Advisory Board, 2012
National Pediatric and Adult Rheumatology Advisory Board, 2014
Real World Data Evidence Advisory Board, 2015
Medscape
Development of systemic JIA patient simulation modules, 2013
UCB

Safety Officer, Data Safety Monitoring Board, 2013 –
Crescendo Biosciences
Juvenile Idiopathic Arthritis Advisory Board, 2013
Vindico
Course Chair, “Updates in Systemic JIA” CME symposium, 2014
Spire Learning
Program Chair and Lecturer, “Updates and Guidance on the Management of JIA”
CME teleconferences, 2014

Education

2008 M.S.C.E. University of Pennsylvania, Philadelphia, PA
2001 M.D. Washington University, Saint Louis, MO
1997 B.S. University of Illinois, Urbana-Champaign, IL

Licensure

Alabama (28137)
Pennsylvania (MD424288) – inactive
Ohio (82203) – inactive

Board Certification

American Board of Pediatrics – Pediatrics, 2004
American Board of Pediatrics – Pediatric Rheumatology, 2009

Post-Doctoral Training:

2004-2007 Fellow in Pediatric Rheumatology, The Children’s Hospital of Philadelphia, PA
2002-2004 Resident in Pediatrics, Cincinnati Children’s Hospital Medical Center, OH
2001-2002 Intern in Pediatrics, Cincinnati Children’s Hospital Medical Center, OH

Academic Appointments

2007-2011 Assistant Professor of Pediatrics, Department of Pediatrics, Division of
Rheumatology, University of Alabama at Birmingham, AL
2011-2016 Associate Professor of Pediatrics, Department of Pediatrics, Division of
Rheumatology, University of Alabama at Birmingham, AL
2016 – Associate Professor of Pediatrics with Tenure, Department of Pediatrics, Division
of Rheumatology, University of Alabama at Birmingham, AL

Awards/Honors

2015 American College of Rheumatology/Rheumatology Research Foundation
Pediatric Visiting Professor
2013 ACR/EULAR International Academic Rheumatology Exchange, Early Career
Investigator Delegate
2013 Member, American Pediatric Society
2008 – 2014 National Institute of Health (NIH) Loan Repayment Program for Clinical
Researchers
2007 University of Alabama Health Services Foundation General Endowment Fund
Scholar Award

2005, 2006 Fellows Scholarship Travel Fund, American College of Rheumatology
2005-2006 Ruth L. Kirschstein National Research Service Award (NRSA), National
 Institutes of Health
2002 Pediatric Rheumatology Residents Program, American College of Rheumatology
1998 Dr. Lee B. and Virginia G. Harrison Scholars Program, Washington University
1997 *Summa Cum Laude*, Phi Beta Kappa, University of Illinois
1997 Highest Distinction for Senior Thesis, University of Illinois

Professional Societies

Jefferson County (AL) Medical Society, Member 2016 –
Society for Pediatric Research/American Pediatric Society, Member 2013 –
International Society for Pharmacoepidemiology, 2011 –
 Pediatric Special Interest Group, 2012 –
American College of Rheumatology (ACR), Fellow 2007 –
 ACR/EULAR Exchange, Early Career Investigator Delegate, 2013
 Strategic Planning Task Force, 2013
 Pediatric Rheumatology Symposium (PRSYM) Planning Committee, 2012-14; 2015-17
 2020 Task Force Member, 2011 – 2013
 Practice Guidelines Subcommittee Member, 2010 – 2016
 Chair, Practice Guidelines Subcommittee, 2013 – 2016
 Quality of Care Committee Member, 2013 – 2016
Childhood Arthritis & Rheumatology Research Alliance (CARRA), 2005 –
 Juvenile Idiopathic Arthritis Registry Workgroup, 2009
 CARRAnet Data/Sample Share Committee, 2012 – 2016
 Juvenile Idiopathic Arthritis Research Committee Member, 2005 –
 Vice-Chair, JIA Research Committee, 2012 – 2013
 Chair, JIA Research Committee, 2013 – 2016
 Juvenile Idiopathic Arthritis Protocol Evaluation Subcommittee Chair, 2012 – 2013
 Scientific Director, CARRA Registry, 2014 –
Alabama Society for the Rheumatic Diseases, 2007 –
Tri-State (PA, DE, NJ) Pediatric Rheumatology Study Group, 2004-2007
Philadelphia Rheumatism Society, 2004-2007

Memberships

UAB Deep South Musculoskeletal Center for Education and Research on Therapeutics (CERTs)
 Investigator, 2007 –
Pediatric Rheumatology Care and Outcome Improvement Network (PR-COIN)
 Steering committee member, 2008 – 2012
Pediatric Rheumatology Collaborative Study Group (PRCSG)
 Member, 2012 –
 Validated Joint Assessor (2013)
UAB Center for Outcomes and Effectiveness Research and Education (COERE)
 Member, 2012 –

Councils and Committees

FDA Workshop: “Developing a Consolidated Pediatric Rheumatology Observational Registry”

Session Co-Chair, 2009
Juvenile Idiopathic Arthritis Quality Measures Work Group
Member, 2008 – 2010
Juvenile Idiopathic Arthritis Consolidated Registry (JIA CoRe) Task Force
Executive Committee; Steering Committee
Chair, Registry Design Subcommittee
American College of Rheumatology Practice Guidelines Subcommittee
Member, 2010 – 2016
Chair, 2013 – 2016
CTSA Consortium Child Health Oversight Committee
Member, 2010 – 2014
American College of Rheumatology 2020 Task Force
Member, 2011 – 2013
Lupus Foundation of America
Grant Reviewer, 2011, 2012, 2013, 2014, 2015
American College of Rheumatology Annual Scientific Meeting Abstract Selection Committee
Reviewer, 2011, 2014, 2015
American College of Rheumatology Criteria for Appropriateness of Ultrasound in Rheumatology
Task force panel member, 2011
CARRA JIA Protocol Evaluation Subcommittee
Chair, 2012 – 2013
Member, 2012 – 2016
CARRAnet Data/Sample Share Committee
Member, 2012 – 2016
International Conference on Pharmacoepidemiology and Therapeutic Risk Management
Abstract Reviewer, 2012, 2014, 2015, 2016
Poster Walk Leader, 2012
Swiss National Science Foundation
Research Proposal Reviewer, 2012
CARRA JIA Research Committee
Vice Chair, 2012 – 13
Chair, 2013 – 2016
ACR Pediatric Rheumatology Symposium (PRSYM) Planning Committee
Member, 2012 – 2014; 2015 – 2017
Abstract Reviewer, 2014
American College of Rheumatology Strategic Planning Task Force
Member, 2013
German Federal Ministry of Education and Research
Research Proposal Reviewer, 2013
Dutch Arthritis Association
Research Proposal Reviewer, 2013, 2014
American College of Rheumatology Quality of Care Committee
Member, 2013 – 2016
NIH/National Institute of Child Health and Human Development (NICHD) Pediatric
Terminology Harmonization Initiative
Subject Matter Expert, 2014 – 2015

Centers for Disease Control and Prevention: Developing a National Public Health Agenda for Lupus

Invited Expert, 2015

National Institutes of Health(NIH)/NIAMS Loan Repayment Program
Scientific Reviewer, 2016

American College of Rheumatology/Rheumatology Research Foundation
Scientific Reviewer for Innovative Research Awards, 2016 – 2018

Arthritis Foundation Delivering on Discovery Solicitation
Scientific Reviewer, 2016

University Activities

Co-Chair, Scientific Review Committee for Pediatric Rheumatology, 2007-
Poster Judge, Medical Student Research Day, 2008

Reviewer, Kaul Pediatric Research Institute grant applications, 2010, 2013

Reviewer, UAB PCOR K12 grant applications, 2014

Mentor, UAB CCTS Short-Term Research Training Program in Patient Oriented Research, 2014

Reviewer, HSF-GEF Clinical Care Initiative Review Committee, 2014, 2015

Children's of Alabama/Department of Pediatrics Ambulatory Physician Advisory Group, 2015

Editorial Board Memberships

Editorial Board: Journal of Rheumatology (2012 –

Ad-Hoc Peer Reviewer: The Lancet
Arthritis & Rheumatology
Arthritis Care & Research
Arthritis Research & Therapy
Rheumatology
Journal of Rheumatology
Lupus
Pharmacoepidemiology and Drug Safety
Medical Care
Value in Health
Pediatrics
Journal of Pediatrics
Clinical and Experimental Rheumatology
Nature Reviews Rheumatology
Journal of Clinical Rheumatology
Pediatric Rheumatology
Seminars in Arthritis and Rheumatism
Scandinavian Journal of Rheumatology
Clinical Rheumatology
Rheumatology International
Expert Review of Clinical Immunology
Rheumatic & Musculoskeletal Diseases (RMD) Open
Clinical Journal of the American Society of Nephrology
Archives of Disease in Childhood

Timothy Beukelman, MD, MSCE
Curriculum Vitae

Pediatric Drugs
Technology Assessment at Sick Kids (TASK); The
Hospital for Sick Children, Toronto, Canada

Major Research Interests

Optimizing the treatment of juvenile idiopathic arthritis using various clinical research methods including retrospective analysis of observational data, prospective observational data collection and analysis, quality improvement, clinical treatment guideline development, decision analysis, and clinical trials.

Teaching Experience

Educational Lectures:

1. “Pediatric Vasculitis”, UAB Pediatric Resident Educational Conference, November 2013.
2. “Juvenile Idiopathic Arthritis”, UAB Rheumatology Fellow Education Conference, October 2012.
3. “Pediatric Vasculitis”, UAB Pediatric Resident Educational Conference, March 2012.
4. “Juvenile Idiopathic Arthritis”, UAB Rheumatology Fellow Educational Conference, October 2011.
5. “Pediatric Vasculitis”, UAB Pediatric Resident Educational Conference, September 2010.
6. “Assorted Rheumatic Disorders”, UAB Pediatric Resident Educational Conference, September 2009.
7. “Pediatric Rheumatology”, UAB Third Year Medical Student Pediatric Clerkship Lecture, (Recurring every 8 weeks) 2008 – 2009.
8. “Juvenile Idiopathic Arthritis”, UAB First Year Medical Student Lecture, May 2008.
9. “Auto-Inflammatory Fever Syndromes”, UAB Rheumatology Fellow Educational Conference, April 2008.
10. “Vasculitis”, UAB Pediatric Resident Educational Conference, February 2008.
11. “Rheumatology in the Pediatric Emergency Department”, UAB Pediatric Emergency Medicine Fellows Educational Conference, October 2007.

Mentoring of Trainees and Junior Faculty:

1. Daniel Horton, Rutgers Robert Wood Johnson Medical School Postdoctoral Research Fellow in Pediatric Rheumatology, 2015 - . Secondary research mentor for career development award.
2. Jie Zhang, UAB Assistant Professor of Epidemiology, 2010 - . Secondary research mentor for career development award application.
3. Lauren Beth Shipman, UAB Pediatric Rheumatology Fellow, 2014 – 2017. Primary research mentor.
4. Sonja Falvey, University of Mississippi Pharmacy Student. UAB CCTS Short-Term Research Training Program in Patient Oriented Research, 2014.
5. Emily Fox, Stanford University Pediatric Rheumatology Fellow. ACR-CARRA AMIGO Mentee, 2013-15.
6. Robert Richter, UAB Pediatric Hospitalist Fellow, 2013-14. Scholarship Oversight Committee member.

7. Roxanna Sabghi, University of Alabama Medical Student. Scholarly Activity mentor, 2013.
8. Melissa Lerman, Instructor, Children's Hospital of Philadelphia. ACR-CARRA AMIGO Mentee, 2012-15.
9. Melissa Mannion, UAB Pediatric Rheumatology Fellow, 2011 – 2014. Primary research mentor. UAB Instructor, 2014. UAB Assistant Professor, 2015. Research mentor for career development award application.
10. Ajay Tambralli, University of Alabama Medical Student. Scholarly Activity mentor, 2012.
11. Ashley Shafferman, University of Alabama Medical Student. Scholarly Activity mentor 2012.
12. Nadia Luca, Hospital for Sick Children, Toronto, Pediatric Rheumatology Fellow.
13. Heather Burnett, University of Toronto Health Policy Management and Evaluation Masters of Science Student. External reviewer on Master's thesis review committee.
14. Katherine Donnithorne, University of Alabama Medical Student and Ophthalmology Resident. Recipient of Department of Pediatrics Russell Cunningham Memorial Research Scholars Program, Summer 2008. Award for outstanding poster, Medical Student Research Day, 2008. Scholarly Activity mentor, 2010. Resident research elective mentor, 2012.
15. University of Alabama School of Medicine Summer Health Enrichment Program. Clinical mentor for undergraduate pre-medical students, Summer 2008.
16. UAB Adult Rheumatology Fellows. Direct supervision and education of adult rheumatology fellows during their required training in pediatric rheumatology.
Fellows trained to date: Allyson McDonough, Maria Danila, Zang Song, Elizabeth Perkins, Bita Shakoory, Ajoy Chhabra, Bilal Khan, Iris Navarro, Quynh Bao, Rebecca Belsom, Archana Jain, Yong Hwang

Major Lectures and Visiting Professorships (International in Bold)

1. American College of Rheumatology/Rheumatology Research Foundation Pediatric Visiting Professorship. Florida Hospital for Children, Orlando, Florida, January 2016.
2. "Diagnosis and Management of Common Pediatric Rheumatology Conditions". Florida Hospital Pediatric Grand Rounds, Orlando, Florida, January 2016.
3. "Overview of Data Sources and Methods to Conduct Studies of the Pediatric Rheumatic Diseases". American College of Rheumatology Annual Scientific Meeting, San Francisco, California, November 2015.
4. "Resources for Tracking Outcomes: Administrative Data". American College of Rheumatology Clinical Research Conference, San Francisco, California, November 2015.
5. "The UAB CCTS Program: Opportunities for Pediatric Clinician Scientists". University of Alabama at Birmingham, Department of Pediatrics/Children's of Alabama Grand Rounds, Birmingham, Alabama, February 2015.
6. "The Recommended Management of Systemic JIA". International Symposium on Translational Approaches to Autoinflammatory Diseases, **Münster, Germany**, May 2014.

7. "Investigating the Safety of Treatments for Juvenile Arthritis". Albert Einstein College of Medicine, Department of Pediatrics/Children's Hospital at Montefiore Grand Rounds, Bronx, New York, March 2014.
8. "Investigating Adverse Effects of Therapy Using Medicaid Claims Data". University of Minnesota, Department of Pediatrics/Amplatz Children's Hospital Grand Rounds, Minneapolis, Minnesota, January 2014.
9. "ACR Recommendations for the Treatment of JIA: Overview and Commentary". Pan Arab Rheumatology Conference, **Dubai, United Arab Emirates**, January 2014.
10. "Juvenile Idiopathic Arthritis: Review and Update". Rheumatology Nurses Society Annual Conference, Nashville, Tennessee, August 2013.
11. "Current Approaches: Role of IL-6 and IL-1 Inhibiting Agents in Systemic JIA Management". Pediatric Rheumatology Workshop, XVII Summit of Pediatricians of Russia, **Moscow, Russian Federation**, February 2013.
12. "Role of New IL-1 and IL-6 Inhibiting Agents in Systemic Juvenile Idiopathic Arthritis". American College of Rheumatology Annual Scientific Meeting, Washington, D.C., November 2012.
13. "A New Model for the Assessment of Disease-Specific Pediatric Drug Safety: The Childhood Arthritis and Rheumatology Research Alliance Consolidated Registry (CARRA-CoRe)". International Conference on Pharmacoepidemiology & Therapeutic Risk Management, **Barcelona, Spain**, August 2012.
14. "Treatment of Juvenile Idiopathic Arthritis". Mexican Congress of Rheumatology, **San Luis Potosi, Mexico**, February 2012.
15. "The Treatment of Juvenile Idiopathic Arthritis". Mexican College of Rheumatology International Symposium on Rheumatoid Arthritis, **Aguascalientes, Mexico**, October 2011.
16. "2011 ACR Recommendations for the Treatment of Juvenile Idiopathic Arthritis". University of Toronto Intracity Rheumatology Conference, **Toronto, Canada**, September 2011.
17. "2011 ACR Recommendations for the Treatment of Juvenile Idiopathic Arthritis". Danish Pediatric Rheumatology Society Scientific Meeting, **Nyborg, Denmark**, March 2011.
18. "Malignancy and Juvenile Idiopathic Arthritis: What is the Risk?". Danish Pediatric Rheumatology Society Scientific Meeting, **Nyborg, Denmark**, March 2011.
19. "Investigating the Incidence of Serious Adverse Events Using Medicaid Billing Data: The Risk of Malignancy and Hospitalized Infection in Juvenile Idiopathic Arthritis". University of Alabama at Birmingham, Department of Pediatrics/Children's of Alabama Grand Rounds, Birmingham, Alabama, January 2011.

Grant Support

Current:

1. PCORI, PPRN Demonstration Project. Harnessing PCORnet to Study Comparative Effectiveness and Safety of Biologic Therapies. PI: Curtis/Beukelman. 2016 – 2019. \$2,500,000.
2. CARRA (Genentech). Investigator-initiated. First-line Options for Systemic JIA Treatment (FROST). PI: Kimura/Beukelman. 2016 – 2020. \$1,716,417.

3. PCORI, Patient Powered Research Networks. The Patients, Advocates, and Rheumatology Teams Network for Research and Service (PARTNERS). PI: Schanberg. Role: Investigator. 2015 – 2018. \$1,391,099.
4. Childhood Arthritis and Rheumatology Research Alliance (CARRA). Scientific Director of CARRA Registry. PI: Beukelman [service agreement]. 2014 – 2017. \$55,497.
5. Agency for Healthcare Research and Quality (AHRQ), U18. Deep South Arthritis and Musculoskeletal Center for Education and Research on Therapeutics (CERTs). PI: Saag. Role: Demonstration project PI. 2011 – 2016. \$4,123,322.

Pending:

1. NIH/NIAMS, U01. PREVENT Study: Methotrexate to Prevent Disease Extension in Early Limited JIA. PI: Beukelman. 2016 – 2021. \$9,595,154.

Past:

1. Childhood Arthritis and Rheumatology Research Alliance (CARRA). Chair, Juvenile Idiopathic Arthritis Research Committee. PI: Beukelman [service agreement]. 2015 – 2016. \$12,589.
2. NIH/NIAMS, U34. The Effectiveness of Methotrexate to Prevent Extension of Early Limited JIA. PI: Beukelman. 2014 – 2015. \$356,864.
3. Patient Centered Outcomes Research Institute (PCORI), Patient Powered Research Networks. The Patients, Advocates, and Rheumatology Teams Network for Research and Service (PARTNERS). PI: Schanberg. Role: Investigator. 2014 – 2015. \$1,008,490.
4. NIH/NIAMS, L30 (Loan Repayment Program for Clinical Researchers). “Optimizing the Treatment of Childhood Arthritis”. PI: Beukelman. 2008 – 2010; competitive renewals 2010 – 2012 and 2012 – 2014. \$85,260.
5. Pfizer. “Usage of NSAIDs, Glucocorticoids, and DMARDs in the Treatment of Juvenile Idiopathic Arthritis in the United States.” PI: Beukelman. 2012 – 2013. \$75,847.
6. NIH/NCRR (University of Alabama at Birmingham, Center for Clinical and Translational Science), KL2 Mentored Career Development Award. “The Risk of Serious Infection in Juvenile Idiopathic Arthritis”. PI: Guay-Woodford/Beukelman. 2009 – 2013. \$540,000.
7. NIH/NIAMS (Cincinnati Children’s Hospital), P60. Cincinnati Multidisciplinary Clinical Research Center: Improved Understanding of the Biology and Use of TNF Inhibition in Children with JIA. PI: Glass/Lovell. Role: Site PI. 2011 – 2013. \$7,678,248 [\$5865]
8. NIH/NIAMS (Duke University), ARRA Grand Opportunity. Childhood Arthritis and Rheumatology Research Alliance Network (CARRAnet): Accelerating Toward an Evidence Based Culture in Pediatric Rheumatology. PI: Schanberg. Role: Site PI. 2010 – 2012. \$6,824,989.
9. Agency for Healthcare Research and Quality (AHRQ), U18. Deep South Musculoskeletal Center for Education and Research on Therapeutics. PI: Saag. Role: Investigator. 2006 – 2011. \$3,748,745.
10. Agency for Healthcare Research and Quality (AHRQ), U18. “Safety Assessment of Anti-TNF Agents Used in Autoimmune Disease”. PI: Saag. Role: Investigator. 2008-2011. \$2,243,600.
11. American College of Rheumatology. “Guidelines for the Treatment of Juvenile Idiopathic Arthritis”. PI: Beukelman. 2009 – 2010. \$100,000.

Volunteer Work

Arthritis Foundation Juvenile Arthritis Family Forum. Guest speaker.
Camp M.A.S.H., Alabama. Volunteer 2007. Camp physician 2010.
Camp JRA, Pennsylvania. Camp physician July 2005.
Saturday Neighborhood Health Center, Washington University. 2000-01.
Young Scientist Program, Washington University. 1997-98.

Bibliography

Manuscripts

Published:

1. Horton DB, Onel KB, **Beukelman T**, Ringold S. Attitudes and approaches for withdrawing drugs for children with clinically inactive non-systemic JIA: a survey of the Childhood Arthritis and Rheumatology Research Alliance. *J Rheumatol* 2017. [published online 1 Feb 2017]
2. Curtis JR, Xie F, Mackey D, Gerber N, Bharat A, **Beukelman T**, Saag KG, Chen L, Nowell B, Ginsberg S. Patient's experience with subcutaneous and oral methotrexate for the treatment of rheumatoid arthritis. *BMC Musculoskelet Disord* 2016 Sep 26; 17:405.
3. **Beukelman T**, Xie F, Baddley JW, Chen L, Mannion ML, Saag KG, Zhang J, Curtis JR. The risk of hospitalized infection following initiation of biologic agents versus methotrexate in the treatment of juvenile idiopathic arthritis. *Arthritis Res Ther* 2016 Sep 22; 18:210.
4. Mannion ML, Xie F, Baddley J, Chen L, Curtis JR, Saag KG, Zhang J, **Beukelman T**. Analysis of health care claims during the peri-transfer stage of transition from pediatric to adult care among juvenile idiopathic arthritis patients. *Pediatr Rheumatol Online J* 2016 Sep 5; 14:49.
5. Luca NJ, Burnett HF, Ungar WJ, Moretti ME, **Beukelman T**, Feldman BM, Schwartz G, Bayoumi AM. Cost-effectiveness analysis of first-line treatment with biologics in polyarticular juvenile idiopathic arthritis. *Arthritis Care Res* 2016; 68:1803-11. [published online 5 Apr 2016]
6. Zhang M, Bracaglia C, Prencipe G, Bemrich-Stolz CJ, **Beukelman T**, Dimmitt RA, Chatham WW, Zhang K, Li H, De Benedetti F, Grom AA, Cron RQ. A heterozygous RAB27A mutation associated with delayed cytolytic granule polarization and hemophagocytic lymphohistiocytosis. *J Immunol* 2016; 196: 2492-503. [published online 15 Feb 2016] [cited 2 times]
7. Scott FI, Mamtani R, Brensinger CM, Haynes K, Chiesa-Fuxench ZC, Zhang J, Chen L, Xie F, Yun H, Osterman MT, **Beukelman T**, Margolis DJ, Curtis JR, Lewis JD. Risk of nonmelanoma skin cancer associated with the use of immunosuppressant and biologic agents in patients with a history of autoimmune disease and nonmelanoma skin cancer. *JAMA Dermatol* 2016; 152:164-72. [published online 28 Oct 2015] [cited 4 times]
8. Stoll ML, Vaid YN, Gurash S, **Beukelman T**, Waite PD, Cron RQ. Magnetic resonance imaging findings following intraarticular infliximab therapy for refractory temporomandibular joint arthritis among children with juvenile idiopathic arthritis. *J Rheumatol* 2015; 42:2155-9. [cited 1 time]

9. Yun H, Xie F, Delzell E, Levitan EB, Chen L, Lewis JD, Saag KG, **Beukelman T**, Winthrop KL, Baddley JW, Curtis JR. Comparative risk of hospitalized infection associated with biologic agents among Medicare rheumatoid arthritis patients. *Arthritis Rheumatol* 2016; 68:55-66. [published online 28 Aug 2015] [cited 6 times]
10. Tambralli A, **Beukelman T**, Cron RQ, Stoll ML. Safety and efficacy of rituximab in childhood-onset systemic lupus erythematosus and other rheumatic diseases. *J Rheumatol* 2015; 42:541-6. [published online 15 Jan 2015] [cited 9 times]
11. Zhang J, Xie F, Delzell E, Yun H, Lewis JD, Haynes K, Chen L, **Beukelman T**, Saag KG, Curtis JR. Impact of biologics with and without concomitant methotrexate and at reduced doses in older rheumatoid arthritis patients. *Arthritis Care Res* 2015; 67:624-32. [published online 4 Nov 2014] [cited 5 times]
12. Ringold S, Hendrickson A, Abramson L, **Beukelman T**, Blier PR, Bohnsack J, Chalom EC, Gewanter HL, Gottlieb B, Hollister R, Hsu J, Hudgins A, Ilowite NT, Klein-Gitelman M, Lindsley C, Lopez JM, Lovell DJ, Mason T, Milojevic D, Moorthy LN, Nanda K, Onel K, Prahalad S, Rabinovich CE, Ray L, Rouster-Stevens K, Ruth N, Shishov M, Spalding S, Syed R, Stoll M, Vehe RK, Weiss JE, White AJ, Wallace CA, Sobel RE. A novel method to collect medication adverse events in juvenile arthritis: Results from the Childhood Arthritis and Rheumatology Research Alliance Enhanced Drug Safety Surveillance Project (EDSSP). *Arthritis Care Res* 2015; 67:529-37. [published online 20 Oct 2014] [cited 2 times]
13. Yun H, Xie F, Delzell E, Chen L, Levitan EB, Lewis JD, Saag KG, **Beukelman T**, Winthrop K, Baddley JW, Curtis JR. Risks of herpes zoster in patients with rheumatoid arthritis according to biologic disease modifying therapy. *Arthritis Care Res* 2015; 67:731-6. [published online 8 Sep 2014] [cited 8 times]
14. Mannion ML, Xie F, Curtis JR, **Beukelman T**. Recent trends in medication usage for the treatment of juvenile idiopathic arthritis and the influence of tumor necrosis factor inhibitors. *J Rheumatol* 2014; 41:2078-84. [published online 1 Aug 2014] [cited 1 time]
15. Weiss PF, Colbert RA, Xiao R, Feudtner C, **Beukelman T**, Morgan DeWitt E, Pagnini I, Wright TB, Wallace CA. Development and retrospective validation of the juvenile spondyloarthritis disease activity (JSpADA) index. *Arthritis Care Res* 2014; 66:1775-82. [published online 21 Jul 2014] [cited 10 times]
16. Mannion ML, **Beukelman T**. Risk of malignancy associated with biologic agents in pediatric rheumatic disease. *Curr Opin Rheumatol* 2014; 26:538-42. [published online 9 Jul 2014] [cited 3 times]
17. Curtis JR, Zhang J, Xie F, **Beukelman T**, Chen L, Fernandes J, Ginsberg S, Spettell C, Yun H, Saag KG, Schiff M. Use of oral and subcutaneous methotrexate in rheumatoid arthritis patients in the United States. *Arthritis Care Res* 2014; 66:1604-11. [published online 18 Jun 2014] [cited 7 times]
18. Kimura Y, Morgan DeWitt E, **Beukelman T**, Nigrovic PA, Onel K, Prahalad S, Schneider R, Stoll ML. Adding canakinumab to the Childhood Arthritis and Rheumatology Research Alliance consensus treatment plans for systemic juvenile idiopathic arthritis [Letter]. *Arthritis Care Res* 2014; 66:1430-1. [published online 9 Apr 2014] [cited 8 times]

19. **Beukelman T**. Treatment advances in systemic juvenile idiopathic arthritis. *F1000Prime Rep* 2014; 6:21. [published online 1 Apr 2014] [cited 7 times]
20. Yun H, Xie F, Delzell E, Chen L, Levitan E, Lewis J, Saag KG, **Beukelman T**, Winthrop K, Baddley JW, Curtis JR. Risk of hospitalized infection in rheumatoid arthritis patients receiving biologics following a previous infection while on treatment with anti-TNF therapy. *Ann Rheum Dis* 2015; 74:1065-71. [published online 7 March 2014] [cited 10 times]
21. Shafferman A, Fontaine KR, Cron RQ, **Beukelman T**. Changes in body mass index in children with juvenile idiopathic arthritis treated with tumor necrosis factor inhibitors. *J Rheumatol* 2014; 41:113-8. [published online 1 Dec 2013] [cited 2 times]
22. Lionetti G, Kimura Y, Schanberg LE, **Beukelman T**, Wallace C, Ilowite N, Winsor J, Fox K, Natter M, Sundy JS, Brodsky E, Curtis JR, Del Gaizo V, Iyasu S, Jahreis A, Meeker-O'Connell A, Mittleman BB, Murphy BM, Peterson ED, Raymond SC, Setoguchi S, Siegel JN, Sobel RE, Solomon D, Southwood TR, Vesely R, White PH, Wulfraat NM, Sandborg CI. Using registries to identify adverse events in rheumatic diseases. *Pediatrics* 2013; 132:e1384-94. [published online 21 Oct 2013] [cited 7 times]
23. Vaid YN, Dunnivant FD, Royal SA, **Beukelman T**, Stoll ML, Cron RQ. Imaging of the temporomandibular joint in juvenile idiopathic arthritis. *Arthritis Care Res* 2014; 66:47-54. [published online 19 Sep 2013] [cited 16 times]
24. Ringold S, Weiss PF, **Beukelman T**, DeWitt EM, Ilowite NT, Kimura Y, Laxer RM, Lovell DJ, Nigrovic PA, Robinson AB, Vehe RK. 2013 update of the 2011 American College of Rheumatology recommendations for the treatment of juvenile idiopathic arthritis: Recommendations for the medical therapy of children with systemic juvenile idiopathic arthritis and tuberculosis screening among children receiving biologic medications. *Arthritis Care Res* 2013; 65:1551-63. [cited 70 times]
25. Tambralli A, **Beukelman T**, Weiser P, Atkinson TP, Cron RQ, Stoll ML. High doses of infliximab in the management of juvenile idiopathic arthritis. *J Rheumatol* 2013; 40:1749-55. [published online 15 Aug 2013]. [cited 16 times]
26. Baddley JW, Winthrop KL, Chen L, Liu L, Grijalva CG, Delzell E, **Beukelman T**, Patkar NM, Xie F, Saag KG, Herrinton LJ, Solomon DH, Lewis JD, Curtis JR. Non-viral opportunistic infections in new users of tumor necrosis factor inhibitor therapy: Results of the safety assessment of biologic therapy (SABER) study. *Ann Rheum Dis* 2014; 73:1942-8. [published online 13 Jul 2013]. [cited 5 times]
27. Donnithorne KJ, Read RW, Lowe R, Weiser P, Cron RQ, **Beukelman T**. Retinal vasculitis in two pediatric patients with systemic lupus erythematosus: A case report. *Pediatr Rheumatol Online J* 2013; 11:25. [cited 9 times]
28. Ringold S, **Beukelman T**, Nigrovic PA, Kimura Y. Race, ethnicity, and disease outcomes in juvenile idiopathic arthritis: A cross-sectional analysis of the Childhood Arthritis and Rheumatology Research Alliance (CARRA) Registry. *J Rheumatol* 2013; 40:936-42. [published online 15 Apr 2013]. [cited 12 times]
29. Hurd A, **Beukelman T**. Infectious complications in juvenile idiopathic arthritis. *Curr Rheumatol Rep* 2013; 15:327. [cited 5 times]

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Poster Exhibits

1. **Beukelman T**, Xie F, Baddley J, Chen L, Mannion M, Saag KG, Zhang J, Curtis JR. The risk of hospitalized infection associated with initiation of abatacept versus TNF inhibitors in juvenile idiopathic arthritis. American College of Rheumatology Annual Scientific Meeting, 2016.
2. Ringold S, Kimura Y, Schanberg LE, Natter MD, Xie F, Ilowite N, Jones J, Mieszkalski K, **Beukelman T**. Patterns of medication use in children with juvenile idiopathic arthritis: Results from the Childhood Arthritis and Rheumatology Research Alliance Registry. American College of Rheumatology Annual Scientific Meeting, 2016.
3. Curtis J, Xie F, Saag K, Chen L, **Beukelman T**, Mannion M, Yun H. Changing patterns over time in opiate use in U.S. rheumatoid arthritis patients. American College of Rheumatology Annual Scientific Meeting, 2016.
4. Xie F, Chen L, Yun H, **Beukelman T**, Curtis J. Ustekinumab, apremilast, TNFi and the risk for hospitalized infection in patients with psoriasis and psoriatic arthritis. American College of Rheumatology Annual Scientific Meeting, 2016.
5. Horton DB, Xie F, Chen L, Mannion M, Strom BL, Curtis J, **Beukelman T**. Oral glucocorticoids and rates of incident diabetes mellitus and hypertension in children with juvenile idiopathic arthritis and attention deficit/hyperactivity disorder. American College of Rheumatology Annual Scientific Meeting, 2016.
6. **Beukelman T**, Kimura Y, Natter MD, Ilowite NT, Mieszkalski K, Burrell G, Best B, Bristow H, Carr S, Dennis A, Kaufmann R, Schanberg LE. Clinical characteristics of the initial patients enrolled in the Childhood Arthritis and Rheumatology Research Alliance (CARRA) Registry. Pediatric Rheumatology European Society Congress, 2016.
7. **Beukelman T**, Xie F, Baddley J, Chen L, Mannion M, Saag K, Zhang J, Curtis JR. The risk of hospitalized infection following initiation of biologic agents versus methotrexate in the treatment of juvenile idiopathic arthritis. American College of Rheumatology Annual Scientific Meeting, 2015.

8. Gmuca S, Brandon T, Xiao R, Pagnini I, Wright TB, **Beukelman T**, Morgan-DeWitt E, Weiss PF. Pediatric enthesitis-related arthritis: Variation in disease characteristics and treatments among 5 large centers. American College of Rheumatology Annual Scientific Meeting, 2015.
9. Mannion ML, Williams M, Ivankova N, McGwin G, Saag KG, **Beukelman T**. Qualitative assessment of patient important long-term outcomes in juvenile idiopathic arthritis. American College of Rheumatology Annual Scientific Meeting, 2015.
10. Mannion ML, Pedro S, **Beukelman T**, Curtis JR, Michaud K. Comparison of JIA and RA patients in the National Data Bank for Rheumatic Diseases. American College of Rheumatology Annual Scientific Meeting, 2015.
11. Gmuca S, Brandon T, Xiao R, Pagnini I, Wright TB, **Beukelman T**, Morgan-DeWitt E, Weiss PF. Phenotypic differences between HLA-B27 positive and negative children with enthesitis-related arthritis. American College of Rheumatology Annual Scientific Meeting, 2015.
12. Zhang J, Curtis JR, Xie F, Mannion ML, Lewis JD, Clowse MEB, Saag KG, Bethard S, Biggio J, McGwin G, **Beukelman T**. Utilization of immune-suppressive medications during pregnancy among women with inflammatory arthritis or other autoimmune diseases. American College of Rheumatology Annual Scientific Meeting, 2015.
13. **Beukelman T**, Berntson L, Duffy CM, Guzman J, Kimura Y, Klotsche J, Magnusson B, Minden K, Nordal E, Santos MJ, Thomson W, Zilhao C, Hyrich KL. The initial treatment of systemic juvenile idiopathic arthritis: An international collaboration among 7 registries. Annual European Congress of Rheumatology, 2015.
14. Mannion M, Williams M, McGwin G, Saag K, **Beukelman T**. Qualitative assessment of important long-term outcomes in juvenile idiopathic arthritis. American College of Rheumatology Annual Scientific Meeting, 2014.
15. Trambralli A, **Beukelman T**, Cron RQ, Stoll ML. Safety and efficacy of rituximab in pediatric lupus and other rheumatic diseases. American College of Rheumatology Annual Scientific Meeting, 2014.
16. Kimura Y, Morgan-DeWitt E, Mieszkalski KL, Graham TB, **Beukelman T**, Ibarra MF, Ilowite NT, Klein-Gitelman MS, Onel K, Parhalad S, Punaro MG, Ringold S, Toib D, Van Mater H, Weiss PF, Schanberg L. Preliminary results from the Childhood Arthritis and Rheumatology Research Alliance Systemic JIA Consensus Treatment Plan pilot study. American College of Rheumatology Annual Scientific Meeting, 2014.
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22. Curtis JR, Yun H, Zhang J, Xie F, Chen L, Levitan E, Lewis J, **Beukelman T**, Saag KG, Navarro-Millan I. Comparing myocardial infarction risks associated with biologics of varying mechanisms of action among older rheumatoid arthritis patients. American College of Rheumatology Annual Scientific Meeting, 2013.
23. Yun H, Xie F, Delzell ES, Chen L, Levitan E, Lewis J, Saag KG, **Beukelman T**, Winthrop KL, Baddley J, Curtis JR. Physician proclivity to use oral glucocorticoids among rheumatoid arthritis patients. American College of Rheumatology Annual Scientific Meeting, 2013.
24. Curtis JR, Xie F, Zhang J, Chen L, Yun H, Schiff MH, **Beukelman T**, Ginsberg S. Use of oral and subcutaneous MTX in a commercially insured rheumatoid arthritis population. American College of Rheumatology Annual Scientific Meeting, 2013.
25. Yun H, Xie F, Delzell ES, Chen L, Levitan E, Lewis J, Saag KG, **Beukelman T**, Winthrop LK, Baddley JW, Muntner PM, Curtis JR. Comparative safety of biological agents among rheumatoid arthritis patients. American College of Rheumatology Annual Scientific Meeting, 2013.
26. Mannion M, Xie F, Curtis JR, **Beukelman T**. Recent trends in medication usage for the treatment of juvenile idiopathic arthritis in the U.S. and the influence of TNF inhibitors. International Conference on Pharmacoepidemiology & Therapeutic Risk Management, 2013.
27. Chen L, **Beukelman T**, Bharat A, Xie F, Saag KG, Delzell E, Curtis JR. Methods to link a U.S. arthritis cohort with Medicare administrative claims data. International Conference on Pharmacoepidemiology & Therapeutic Risk Management, 2013.
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 64. **Beukelman T**, Guevara J, Albert DA, Sherry DD, Burnham J. Characterization of the treatment of juvenile idiopathic oligoarthritis by pediatric rheumatologists in the United States and Canada. American College of Rheumatology Annual Scientific Meeting, 2006. [oral presentation]
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Oral Presentations

Scientific papers presented at national and international meetings (international in bold):

1. “Tumor necrosis factor inhibitors and the risk of malignancy in the treatment of juvenile idiopathic arthritis”. Plenary Abstract Session, American College of Rheumatology Annual Scientific Meeting, Washington, D.C., November 2016.
2. “The risk of hospitalized infection associated with new use of abatacept versus TNF inhibitors in juvenile idiopathic arthritis”, Concurrent Abstract Session, International Conference on Pharmacoepidemiology & Therapeutic Risk Management, **Dublin, Ireland**, August 2016.
3. “The risk of hospitalized infection following initiation of biologic agents versus methotrexate in the treatment of juvenile idiopathic arthritis”, Concurrent Abstract Session, International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Boston, MA, August 2015.
4. “Recent trends in medication usage for the treatment of juvenile idiopathic arthritis and the influence of TNF inhibitors”, Concurrent Abstract Session, American College of Rheumatology Annual Scientific Meeting, San Diego, CA, October 2013. [senior author]
5. “Recent trends in medication usage for the treatment of juvenile idiopathic arthritis in the United States and the influence of TNF inhibitors”, Abstract Session, Annual European Congress of Rheumatology, **Madrid, Spain**, June 2013.
6. “Incidence of selected opportunistic infections among children with juvenile idiopathic arthritis”, Concurrent Abstract Session, American College of Rheumatology Annual Scientific Meeting, Washington, D.C., November 2012.
7. “Rates of hospitalized bacterial infection associated with juvenile idiopathic arthritis and its treatment”, Concurrent Abstract Session, International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Chicago, IL, August 2011.
8. “Rates of malignancy associated with juvenile idiopathic arthritis and its treatment: an observational study of national US Medicaid administrative claims data”, Plenary Abstract Session, American College of Rheumatology Annual Scientific Meeting, Atlanta, GA, November 2010.
9. “2010 American College of Rheumatology recommendations for the treatment of juvenile idiopathic arthritis”, Clinical Symposium, American College of Rheumatology Annual Scientific Meeting, Atlanta, GA, November 2010.
10. “Rates of hospitalized bacterial infection in juvenile idiopathic arthritis and its treatment: an observational study of national US Medicaid administrative claims data”, Concurrent Abstract Session, American College of Rheumatology Annual Scientific Meeting, Atlanta, GA, November 2010.
11. “Characterization of the treatment of juvenile idiopathic oligoarthritis by pediatric rheumatologists in the United States and Canada”, Concurrent Abstract Session,

American College of Rheumatology Annual Scientific Meeting, Washington, D.C.,
November 2006.

Scientific papers presented at local and regional meetings: None

Invited workshops: None

Invited lectures at local and regional courses and meetings (international in bold):

1. "The Role of Registries in the Future of Clinical Research". Cincinnati Children's Hospital Rheumatology Lecture, Cincinnati, OH, April 2016.
2. "Juvenile Idiopathic Arthritis". Children's of Alabama Springing into Rheumatology Mini-Conference, Birmingham, AL, March 2016.
3. "Investigating the Adverse Effects of Therapy of Uncommon Conditions". UAB Health Services, Outcomes, and Effectiveness Research Methods Seminar, Birmingham, AL, December 2013.
4. "Usage and Safety of TNF Inhibitors in the Treatment of Juvenile Idiopathic Arthritis". ACR/EULAR Exchange Program, Charité-University Medicine Berlin, **Berlin, Germany**, June 2013.
5. "Usage and Safety of TNF Inhibitors in the Treatment of Juvenile Idiopathic Arthritis". ACR/EULAR Exchange Program, Karolinska Institute, **Stockholm, Sweden**, June 2013.
6. "Malignancy and Juvenile Idiopathic Arthritis: What is the Risk?". University of Toronto/Hospital for Sick Children Pediatric Rheumatology Meeting, **Toronto, Canada**, September 2011.
7. "The Risk of Serious Infection and Malignancy in Juvenile Idiopathic Arthritis and Its Treatment". AHRQ Centers for Education and Research on Therapeutics Scientific Conference, December 2010.
8. "The Risk of Infection and Malignancy in Juvenile Idiopathic Arthritis: Investigating the Incidence of Adverse Events Using Medicaid Administrative Claims Data". University of Alabama at Birmingham Center for Clinical and Translational Science Second Annual Scientific Symposium, November 2010.
9. "Laboratory Testing in Pediatric Rheumatic Disease", Educational Update for Pediatric Allergy, Immunology, and Rheumatology, Children's Hospital of Alabama, February 2009.
10. "Intra-articular Glucocorticoid Injections in the Treatment of Juvenile Idiopathic Arthritis", The 53rd Annual Lowe Conference on Rheumatic Disease, Nauvoo, AL, October 2008.
11. "Medication Update", Arthritis Foundation Juvenile Arthritis Family Day, Philadelphia, April, 2006.
12. "A Pediatric Rheumatologist's View of Chronic Interstitial Lung Disease, Pulmonary Hypertension, and Pulmonary Capillaritis", Pediatric Rheumatology Grand Rounds, The Children's Hospital of Philadelphia, September, 2005.
13. "Immunosuppression and Infection in Rheumatic Disease", Pediatric Rheumatology Grand Rounds, The Children's Hospital of Philadelphia, April, 2005.
14. "The Hemophagocytic Syndrome", Pediatric Rheumatology Grand Rounds, The Children's Hospital of Philadelphia, December, 2004.

15. “Juvenile Fibromyalgia”, Chairman’s Rounds, Cincinnati Children’s Hospital Medical Center, August, 2003.

Lay Press

[Covering the scientific meeting abstract: **Beukelman T**, Xie F, Chen L, Horton D, Lewis JD, Mantani R, Mannion M, Saag KG, Zhang J, Curtis JR. Tumor necrosis factor inhibitors and the risk of malignancy in the treatment of juvenile idiopathic arthritis. *Arthritis Rheumatol* 2016; 68(suppl 10).]

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