

Curriculum Vitae

Personal Information

Name: **Timothy G. Beukelman**
Citizenship: U.S.A.
Foreign Languages: None
Home Address: xxxx
Birmingham, AL 35216
Home Phone: 205-306-xxxx
Rank/Title: Associate Professor with Tenure, Division of Rheumatology
Department: Pediatrics
Secondary Appointment: Division of Clinical Immunology and Rheumatology, Department of Internal Medicine
Business Address: University of Alabama at Birmingham /
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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
Understanding Ilaris Across the Disease Spectrum Advisory Board, 2017
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 CME modules, 2013

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Development of systemic JIA patient simulation CME modules, 2017
 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
 Projects in Knowledge / @Point of Care
 Contributing Editor, JIA Current Treatment Strategies CME module, 2017
 Medical Learning Institute / PeerView Institute
 Course Director, “SJIA: Overcoming Challenges in Diagnosis and Management
 to Individualize Care and Achieve Treatment Goals” CME module, 2017
 Sobi
 Chair, Data Safety Monitoring Board, 2017 –
 Bristol-Myers Squibb
 Rheumatology Collaborative Institute Advisory Board, 2017

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, 2017 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 – 2016
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, 2017
 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, 2014-2017
 Children's of Alabama/Dept of Pediatrics Ambulatory Physician Advisory Group, 2015-2017

Editorial Board Memberships

Editorial Board:	Journal of Rheumatology (2012 –
Ad-Hoc Peer Reviewer:	New England Journal of Medicine The Lancet Journal of the American Medical Association (JAMA) Arthritis & Rheumatology Annals of the Rheumatic Diseases Arthritis Care & Research Arthritis Research & Therapy Rheumatology Journal of Rheumatology Pediatric Rheumatology Lupus Pharmacoepidemiology and Drug Safety Medical Care

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Value in Health
Pediatrics
Journal of Pediatrics
Clinical and Experimental Rheumatology
Nature Reviews Rheumatology
Journal of Clinical 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
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 Rheumatology Board Review", Pediatric Resident Educational Conference, Nicklaus Children's Hospital, Miami, Florida, January 2018.
2. "Pediatric Vasculitis", UAB Pediatric Resident Educational Conference, November 2013.
3. "Juvenile Idiopathic Arthritis", UAB Rheumatology Fellow Education Conference, October 2012.
4. "Pediatric Vasculitis", UAB Pediatric Resident Educational Conference, March 2012.
5. "Juvenile Idiopathic Arthritis", UAB Rheumatology Fellow Educational Conference, October 2011.
6. "Pediatric Vasculitis", UAB Pediatric Resident Educational Conference, September 2010.
7. "Assorted Rheumatic Disorders", UAB Pediatric Resident Educational Conference, September 2009.
8. "Pediatric Rheumatology", UAB Third Year Medical Student Pediatric Clerkship Lecture, (Recurring every 8 weeks) 2008 – 2009.
9. "Juvenile Idiopathic Arthritis", UAB First Year Medical Student Lecture, May 2008.
10. "Auto-Inflammatory Fever Syndromes", UAB Rheumatology Fellow Educational Conference, April 2008.
11. "Vasculitis", UAB Pediatric Resident Educational Conference, February 2008.
12. "Rheumatology in the Pediatric Emergency Department", UAB Pediatric Emergency Medicine Fellows Educational Conference, October 2007.

Mentoring of Trainees and Junior Faculty:

1. Courtney Crayne, UAB Pediatric Rheumatology Fellow, 2016-19.
2. Daniel Horton, Rutgers Robert Wood Johnson Medical School Postdoctoral Research Fellow in Pediatric Rheumatology, 2015 - . Secondary research mentor for career development award.
3. Jie Zhang, UAB Assistant Professor of Epidemiology, 2010 - . Secondary research mentor for career development award application.
4. Lauren Beth Shipman, UAB Pediatric Rheumatology Fellow, 2014 – 2017. Primary research mentor.
5. Sonja Falvey, University of Mississippi Pharmacy Student. UAB CCTS Short-Term Research Training Program in Patient Oriented Research, 2014.
6. Emily Fox, Stanford University Pediatric Rheumatology Fellow. ACR-CARRA AMIGO Mentee, 2013-15.
7. Robert Richter, UAB Pediatric Hospitalist Fellow, 2013-14. Scholarship Oversight Committee member.
8. Roxanna Sabghi, University of Alabama Medical Student. Scholarly Activity mentor, 2013.
9. Melissa Lerman, Instructor, Children's Hospital of Philadelphia. ACR-CARRA AMIGO Mentee, 2012-15.
10. 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.
11. Ajay Tambralli, University of Alabama Medical Student. Scholarly Activity mentor, 2012.
12. Ashley Shafferman, University of Alabama Medical Student. Scholarly Activity mentor 2012.
13. Nadia Luca, Hospital for Sick Children, Toronto, Pediatric Rheumatology Fellow.
14. Heather Burnett, University of Toronto Health Policy Management and Evaluation Masters of Science Student. External reviewer on Master's thesis review committee.
15. 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.
16. University of Alabama School of Medicine Summer Health Enrichment Program. Clinical mentor for undergraduate pre-medical students, Summer 2008.
17. 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. Nicklaus Children's Hospital, Miami, Florida, January 2018.
2. "Diagnosis and Management of Common Pediatric Rheumatology Conditions". Nicklaus Children's Hospital Grand Rounds, Miami, Florida, January 2018.
3. "Pediatric Rheumatology Clinical Research Year in Review". American College of Rheumatology Annual Scientific Meeting, San Diego, California, November 2017.
4. "The Need for Validation of Pediatric Outcomes". International Conference on Pharmacoepidemiology & Therapeutic Risk Management, **Montreal, Canada**, August 2017.
5. "Treatment of Juvenile Idiopathic Arthritis: State of the Art". American College of Rheumatology Pediatric Rheumatology Symposium (PRSYM), Houston, Texas, May 2017.
6. American College of Rheumatology/Rheumatology Research Foundation Pediatric Visiting Professorship. Florida Hospital for Children, Orlando, Florida, January 2016.
7. "Diagnosis and Management of Common Pediatric Rheumatology Conditions". Florida Hospital Pediatric Grand Rounds, Orlando, Florida, January 2016.
8. "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.
9. "Resources for Tracking Outcomes: Administrative Data". American College of Rheumatology Clinical Research Conference, San Francisco, California, November 2015.
10. "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.
11. "The Recommended Management of Systemic JIA". International Symposium on Translational Approaches to Autoinflammatory Diseases, **Münster, Germany**, May 2014.
12. "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.
13. "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.
14. "ACR Recommendations for the Treatment of JIA: Overview and Commentary". Pan Arab Rheumatology Conference, **Dubai, United Arab Emirates**, January 2014.
15. "Juvenile Idiopathic Arthritis: Review and Update". Rheumatology Nurses Society Annual Conference, Nashville, Tennessee, August 2013.
16. "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.

17. "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.
18. "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.
19. "Treatment of Juvenile Idiopathic Arthritis". Mexican Congress of Rheumatology, **San Luis Potosi, Mexico**, February 2012.
20. "The Treatment of Juvenile Idiopathic Arthritis". Mexican College of Rheumatology International Symposium on Rheumatoid Arthritis, **Aguascalientes, Mexico**, October 2011.
21. "2011 ACR Recommendations for the Treatment of Juvenile Idiopathic Arthritis". University of Toronto Intracity Rheumatology Conference, **Toronto, Canada**, September 2011.
22. "2011 ACR Recommendations for the Treatment of Juvenile Idiopathic Arthritis". Danish Pediatric Rheumatology Society Scientific Meeting, **Nyborg, Denmark**, March 2011.
23. "Malignancy and Juvenile Idiopathic Arthritis: What is the Risk?". Danish Pediatric Rheumatology Society Scientific Meeting, **Nyborg, Denmark**, March 2011.
24. "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 – 2019. \$163,321.

Pending:

Past:

1. 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.

2. Childhood Arthritis and Rheumatology Research Alliance (CARRA). Chair, Juvenile Idiopathic Arthritis Research Committee. PI: Beukelman [service agreement]. 2015 – 2016. \$12,589.
3. NIH/NIAMS, U34. The Effectiveness of Methotrexate to Prevent Extension of Early Limited JIA. PI: Beukelman. 2014 – 2015. \$356,864.
4. 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.
5. 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.
6. Pfizer. “Usage of NSAIDs, Glucocorticoids, and DMARDs in the Treatment of Juvenile Idiopathic Arthritis in the United States.” PI: Beukelman. 2012 – 2013. \$75,847.
7. 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.
8. 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]
9. 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.
10. 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.
11. 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.
12. 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. Lovell DJ, Johnson AL, Huang B, Gottlieb BS, Morris PW, Kumira Y, Onel K, Li SC, Grom AA, Taylor J, Brunner HI, Huggins JL, Nocton JJ, Haines KA,

- Edelheit BS, Shishov M, Jung LK, Williams CB, Teshler MS, Costanzo DM, Zemel LS, Dare JA, Passo MH, Ede KC, Olson JC, Cassidy EA, Griffin TA, Wagner-Weiner L, Weiss JE, Vogler LB, Rouster-Stevens KA, **Beukelman T**, Cron RQ, Kietz D, Schikler K, Mehta J, Ting TV, Verbsky JW, Eberhard AB, Spalding S, Chen C, Giannini EH. Risk, timing and predictors of disease flare after discontinuation of anti-tumor necrosis factor (TNF) therapy in children with polyarticular forms of juvenile idiopathic arthritis (JIA) in clinical inactive disease. *Arthritis Rheumatol*. [published online 31 Mar 2018]
2. Nigrovic PA, **Beukelman T**, Tomlinson G, Feldman BM, Schanberg LE, Kimura Y. Bayesian comparative effectiveness study of four consensus treatment plans for initial management of systemic juvenile idiopathic arthritis: FiRst-line Options for Systemic JIA Treatment (FROST). *Clinical Trials*. [published online 1 Mar 2018]
 3. **Beukelman T**, Xie F, Chen L, Horton DB, Lewis JD, Mamtani R, Mannion ML, Saag KG, Curtis JR. Risk of malignancy associated with paediatric use of tumour necrosis factor inhibitors. *Ann Rheum Dis*. [published online 9 Feb 2018]
 4. Mor-Vaknin N, Rivas M, Legendre M, Mohan S, Yuanfan Y, Mau T, Johnson A, Huang B, Zhao L, Kimura Y, Spalding SJ, Morris PW, Gottlieb BS, Onel K, Olson JC, Edelheit BS, Shishov M, Jung LK, Cassidy EA, Prahalad S, Passo MH, **Beukelman T**, Mehta J, Giannini EG, Adams BS, Lovell DJ, Markovitz DM. High levels of DEK autoantibodies in sera of polyarticular JIA and in early flare following cessation of anti-TNF therapy. *Arthritis Rheumatol* 2018; 70:594-605. [published online 29 Dec 2017]
 5. Stoll ML, Grubbs JA, **Beukelman T**, Mannion ML, Jester TW, Cron RQ, Crain MJ. Risk of tuberculosis among Alabama children and adolescents treated with tumor necrosis factor inhibitors: A retrospective study. *Pediatr Rheumatol Online J* 2017 Nov 9; 15:79.
 6. Weiss PF, Xiao R, Brandon TG, Pagnini I, Wright TB, **Beukelman T**, Morgan E, Feudtner C. Comparative effectiveness of tumor necrosis factor agents and disease-modifying antirheumatic therapy in children with enthesitis-related arthritis: the first year after diagnosis. *J Rheumatol* 2018; 45:107-14. [published online 15 Sep 2017]
 7. Morgan EM, Riebschleger MP, Horonjeff J, Consolaro A, Munro JE, Thornhill S, **Beukelman T**, Brunner HI, Creek EL, Harris JG, Horton DB, Lovell DJ, Mannion ML, Olson JC, Rahimi H, Gallo MC, Calandra S, Ravelli A, Ringold S, Shenoi S, Stinson J, Toupin-April K, Strand V, Bingham CO. Evidence for updating the core domain set of outcome measures for juvenile idiopathic arthritis: Report from a special interest group at OMERACT 2016. *J Rheumatol* 2017; 44:1884-88. [published online 15 Aug 2017]
 8. Mehta J, **Beukelman T**. Biologic agents in the treatment of childhood-onset rheumatic disease. *J Pediatr* 2017; 189:31-9. [published online 13 Jul 2017]
 9. Falvey S, Shipman LE, Ilowite N, **Beukelman T**. Methotrexate-induced nausea in the treatment of juvenile idiopathic arthritis. *Pediatr Rheumatol Online J* 2017 Jun 19; 15:52.
 10. Curtis JR, Xie F, Smith C, Saag KG, Chen L, **Beukelman T**, Mannion MM, Yun H, Kertesz S. Changing trends in opioid use among U.S. rheumatoid arthritis patients. *Arthritis Rheumatol* 2017; 69:1733-40. [published online 21 Jun 2017]

11. Gmuca S, Xiao R, Brandon TG, Pagnini I, Wright TB, **Beukelman T**, Morgan E, Weiss PF. Multicenter inception cohort of enthesitis-related arthritis: Variation in disease characteristics and treatment approaches. *Arthritis Res Ther* 2017 May 2; 19:84.
12. **Beukelman T**, Anink J, Berntson L, Duffy C, Ellis JA, Guzman J, Horneff G, Klein A, Klotsche J, Magnusson B, Minden K, Munro JE, Niewerth M, Nordal E, Ruperto N, Santos MJ, Schanberg LE, Thomson W, van Suijlekom-Smit L, Wulffraat N, Hyrich K. A survey of national and multi-national registries and cohort studies in juvenile idiopathic arthritis: Challenges and opportunities. *Pediatr Rheumatol Online J* 2017 Apr 19; 15:31.
13. **Beukelman T**, Kimura Y, Ilowite NT, Mieszkalski K, Natter MD, Burrell G, Best B, Jones J, Schanberg LE. The new Childhood Arthritis and Rheumatology Research Alliance Registry: Design, rationale, and characteristics of patients enrolled in the first 12 months. *Pediatr Rheumatol Online J* 2017 Apr 17; 15:30.
14. Kimura Y, Grevich S, **Beukelman T**, Morgan E, Nigrovic PA, Mieszkalski K, Graham TB, Ibara M, Ilowite N, Klein-Gitelman M, Onel K, Prahalad S, Punaro M, Ringold S, Toib D, Van Mater H, Weiss JE, Weiss PF, Schanberg LE. Pilot study comparing Childhood Arthritis and Rheumatology Research Alliance (CARRA) Consensus Treatment Plans. *Pediatr Rheumatol Online J* 2017 Apr 11; 15:23.
15. 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; 44:352-60. [published online 1 Feb 2017]
16. 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.
17. **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.
18. 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.
19. 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]
20. 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 5 times]

21. 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 11 times]
22. 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]
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24. 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 11 times]
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5. Serum S100A8/A9 and S100A12 levels in children with polyarticular forms of juvenile idiopathic arthritis.

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Books

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Published Abstracts

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Poster Exhibits

1. Horton DB, Xie F, Mannion ML, Ringold S, Correll CK, Dennos AC, Beukelman T. Factors Related to Sustained Discontinuation of Medications for Well-

- Controlled JIA in the Childhood Arthritis & Rheumatology Research Alliance Registry. American College of Rheumatology Annual Scientific Meeting, 2017.
2. Mannion ML, Xie F, Horton DB, Ringold S, Correll CK, Dennos AC, Beukelman T. Biologic Switching Among JIA Patients: A Cohort Study in the Childhood Arthritis and Rheumatology Research Alliance Registry. American College of Rheumatology Annual Scientific Meeting, 2017.
 3. Ringold S, Xie F, Horton DB, Mannion ML, Correll CK, Dennos AC, Beukelman T. Patterns of Medication Use in Non-Systemic Polyarthritis: Data from the Childhood Arthritis and Rheumatology Research Alliance Patient Registry. American College of Rheumatology Annual Scientific Meeting, 2017.
 4. Huang B, Morgan E, Chen C, Liu J, Adams M, Beukelman T, Brunner HI, Lovell DJ. Comparing Effectiveness of Early Initiation of Biologic Treatment for Newly Diagnosed Juvenile Idiopathic Arthritis Using a Novel Statistics Causal Inference Method Applied to Observational Data. American College of Rheumatology Annual Scientific Meeting, 2017.
 5. Foeldvari I, Beukelman T, Xie F. Assessing the Prevalence of Juvenile Systemic Sclerosis in Childhood Using Administrative Claims Data from the United States. American College of Rheumatology Annual Scientific Meeting, 2017.
 6. Ringold S, Xie F, Kimura K, Schanberg LE, **Beukelman T**. Methotrexate use and route of administration in JIA: Results from the Childhood Arthritis & Rheumatology Research Alliance Registry. American College of Rheumatology Pediatric Rheumatology Symposium (PRSYM), 2017.
 7. **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.
 8. 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.
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 10. 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.
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14. 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.
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21. 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.
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71. Behrens E, **Beukelman T**, Gallo L, Spangler J, Rosenkrantz M, Arkachaisri T, et al. Pennsylvania systemic onset juvenile arthritis registry (PASOJAR): presenting characteristics and demographic data of a large cohort. American College of Rheumatology Annual Scientific Meeting, 2006.

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74. Behrens E, **Beukelman T**, Tustin N, Cron RQ, Pessler F. Secondary hemophagocytic lymphohistiocytosis: Is there a role for Interleukin-1 blockade? Clinical Immunology Society Primary Immunodeficiency Diseases Consortium Conference, 2005.

Oral Presentations

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

1. “The risk of malignancy associated with use of tumor necrosis factor inhibitors in childhood”. Concurrent Abstract Session, International Conference on Pharmacoepidemiology & Therapeutic Risk Management, **Montreal, Canada**, August 2017.
2. “Oral glucocorticoids and incident diabetes mellitus and hypertension in children with chronic diseases”. Concurrent Abstract Session, International Conference on Pharmacoepidemiology & Therapeutic Risk Management, **Montreal, Canada**, August 2017. [senior author]
3. “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.
4. “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.
5. “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.
6. “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]
7. “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.
8. “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.
9. “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.
10. “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.
11. "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.
 12. "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.
 13. "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. "Investigating Adverse Effects of Biologic Agents". Keynote Speaker, University of Pennsylvania Research Trainee Day, Philadelphia, PA, June 2017.
2. "The Role of Registries in the Future of Clinical Research". Cincinnati Children's Hospital Rheumatology Lecture, Cincinnati, OH, April 2016.
3. "Juvenile Idiopathic Arthritis". Children's of Alabama Springing into Rheumatology Mini-Conference, Birmingham, AL, March 2016.
4. "Investigating the Adverse Effects of Therapy of Uncommon Conditions". UAB Health Services, Outcomes, and Effectiveness Research Methods Seminar, Birmingham, AL, December 2013.
5. "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.
6. "Usage and Safety of TNF Inhibitors in the Treatment of Juvenile Idiopathic Arthritis". ACR/EULAR Exchange Program, Karolinska Institute, **Stockholm, Sweden**, June 2013.
7. "Malignancy and Juvenile Idiopathic Arthritis: What is the Risk?". University of Toronto/Hospital for Sick Children Pediatric Rheumatology Meeting, **Toronto, Canada**, September 2011.
8. "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.
9. "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.
10. "Laboratory Testing in Pediatric Rheumatic Disease", Educational Update for Pediatric Allergy, Immunology, and Rheumatology, Children's Hospital of Alabama, February 2009.

11. "Intra-articular Glucocorticoid Injections in the Treatment of Juvenile Idiopathic Arthritis", The 53rd Annual Lowe Conference on Rheumatic Disease, Nauvoo, AL, October 2008.
12. "Medication Update", Arthritis Foundation Juvenile Arthritis Family Day, Philadelphia, April, 2006.
13. "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.
14. "Immunosuppression and Infection in Rheumatic Disease", Pediatric Rheumatology Grand Rounds, The Children's Hospital of Philadelphia, April, 2005.
15. "The Hemophagocytic Syndrome", Pediatric Rheumatology Grand Rounds, The Children's Hospital of Philadelphia, December, 2004.
16. "Juvenile Fibromyalgia", Chairman's Rounds, Cincinnati Children's Hospital Medical Center, August, 2003.

Lay Press

[Converging the published manuscript: **Beukelman T**, Xie F, Chen L, Horton DB, Lewis JD, Mamtani R, Mannion ML, Saag KG, Curtis JR. Risk of malignancy associated with paediatric use of tumour necrosis factor inhibitors. *Ann Rheum Dis*. [published online 9 Feb 2018]]

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