

ADAM BERLINBERG

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EDUCATION

University of Colorado Boulder

B.A.

Major: Biochemistry, Minor: Chemistry, Ecology and Evolutionary Biology

08/05-05/09

Honors: Summa Cum Laude

University of Colorado School of Medicine

M.D.

08/11-05/15

EMPLOYMENT

Denver Arthritis Clinic

Rheumatologist, Partner

08/2021-

TRAINING

University of Arizona

Internal Medicine Residency

07/15-06/18

University of Colorado

Rheumatology Fellowship

07/18-06/21

LICENSURE

Colorado State Board of Medical Examiners, License Number 60803

07/18-

BOARD CERTIFICATION

Rheumatology

12/20-

PROFESSIONAL MEMBERSHIPS

American College of Rheumatology

Committee on Rheumatologic Care

Curriculum Subcommittee

Committee on Journal Publications

2015-

2019-2020

2019-2021

2020-2021

AWARDS

Summa Cum Laude, University of Colorado Boulder

2009

Klea D. Bertakis Winner for Outstanding Talk, Western Student Medical Research Forum

2013

Internal Medicine National Meeting Medical Student Poster National Finalist, American College of Physicians

2013

Achievement Rewards for College Scientists Scholarship, ARCS

2013

Rheumatology Research Foundation Medical Resident Annual Meeting Scholarship

2016

FOCIS National Meeting Research Award

2020

FUNDING

Scientist Development Award – PI

07/20-06/21

Rheumatology Research Foundation

“Metabolic Regulation of Type 3 Innate Lymphoid Cells by Intestinal Bacteria-Derived Indoles in Ankylosing Spondylitis”

Spondylitis Association of America – Co-Investigator

2020

“Microbiome produced indole in the expansion of ILC3s in SpA”

Pilot Award, University of Colorado Sequencing Facility – PI

2020

“A Less Invasive Method for Performing Microbiome Analysis: A Pilot Study”

T32 AR07534 – Rheumatology Research Fellow

2019-2021

PUBLICATIONS AND PAPERS

Berlinberg AJ, Regner EH, Stahly A, et al. Multi 'Omics Analysis of Intestinal Tissue in Ankylosing Spondylitis Identifies Alterations in the Tryptophan Metabolism Pathway. *Front Immunol.* 2021;12:587119. doi:10.3389/fimmu.2021.587119

Berlinberg A, Kuhn KA. Barrier lymphocytes in spondyloarthritis. *Curr Opin Rheumatol.* 2020 Jul;32(4):343-348. PubMed PMID: [32412993](#)

Berlinberg A, Kuhn KA. Molecular Biology Approaches to Understanding Spondyloarthritis. *Rheum Dis Clin North Am.* 2020 May;46(2):203-211. PubMed PMID: [32340696](#)

Berlinberg A and Kuhn K. *Absolute Rheumatology Review*. Switzerland: Springer; 2019. Axial Spondyloarthritis.

Bilal J*, **Berlinberg A***, Riaz IB, Faridi W, Bhattacharjee S, Ortega G, Murad MH, Wang Z, Prokop LJ, Alhifany AA, Kwok CK. Risk of Infections and Cancer in Patients With Rheumatologic Diseases Receiving Interleukin Inhibitors: A Systematic Review and Meta-analysis. *JAMA Netw Open.* 2019 Oct 2;2(10):e1913102. PubMed PMID: [31626313](#), *co-first author

Berlinberg A, Bilal J, Riaz IB, Kurtzman DJB. The 100 top-cited publications in psoriatic arthritis: a bibliometric analysis. *Int J Dermatol.* 2019 Sep;58(9):1023-1034. PubMed PMID: [30315571](#)

Berlinberg A, Ashbeck EL, Roemer FW, Guerhazi A, Hunter DJ, Westra J, Trost J, Kwok CK. Diagnostic performance of knee physical exam and participant-reported symptoms for MRI-detected effusion-synovitis among participants with early or late stage knee osteoarthritis: data from the Osteoarthritis Initiative. *Osteoarthritis Cartilage.* 2019 Jan;27(1):80-89. PubMed PMID: [30244165](#)

Bilal J, **Berlinberg A**, Bhattacharjee S, Trost J, Riaz IB, Kurtzman DJB. A systematic review and meta-analysis of the efficacy and safety of the interleukin (IL)-12/23 and IL-17 inhibitors ustekinumab, secukinumab, ixekizumab, brodalumab, guselkumab and tildrakizumab for the treatment of moderate to severe plaque psoriasis. *J Dermatolog Treat.* 2018 Sep;29(6):569-578. PubMed PMID: [29532693](#)

Bilal J, **Berlinberg A**, Trost J, Riaz IB, Bhattacharjee S. The Influence of Depression on Health Care Expenditures Among Adults with Spondylosis, Intervertebral Disc Disorders, and Other Back Problems in the United States. *Pain Med.* Nov 2018;doi:10.1093/pm/pty223

Pozdeyev N, **Berlinberg A**, Zhou Q, Wuensch K, Shibata H, Wood WM, Haugen BR. Targeting the NF-κB Pathway as a Combination Therapy for Advanced Thyroid Cancer. *PLoS One.* 2015;10(8):e0134901. PubMed PMID: [26263379](#)

Erbse AH, **Berlinberg AJ**, Cheung CY, Leung WY, Falke JJ. OS-FRET: a new one-sample method for improved FRET measurements. *Biochemistry.* 2011 Feb 1;50(4):451-7. PubMed PMID: [21110513](#)

PRESENTATIONS

FOCIS Annual Meeting Oral Presentation: “Metabolic Regulation of Type 3 Innate Lymphoid Cells by Intestinal Bacteria-Derived Indoles in Ankylosing Spondylitis”. 2020.

FOCIS Annual Meeting Poster Presentation: “Metabolic Regulation of Type 3 Innate Lymphoid Cells by Intestinal Bacteria-Derived Indoles in Ankylosing Spondylitis”. 2020.

American College of Rheumatology Annual Meeting Oral Presentation: “Metabolic Regulation of Type 3 Innate Lymphoid Cells by Intestinal Bacteria-Derived Indoles in Ankylosing Spondylitis”. 2020.

SPARTAN Annual Meeting Oral Presentation: “Metabolic Regulation of Type 3 Innate Lymphoid Cells by Intestinal Bacteria-Derived Indoles in Ankylosing Spondylitis”. 2020.

Rheumatology Research Workshop Poster Presentation: "Metabolic Regulation of Type 3 Innate Lymphoid Cells by Intestinal Bacteria-Derived Indoles in Ankylosing Spondylitis". 2018.

American College of Rheumatology Annual Meeting Poster Presentation: "The Influence of Depression on Health Care Expenditures Among Adults with Spondylosis, Intervertebral Disc Disorders, and Other Back Problems in the United States". 2017.

American College of Rheumatology Annual Meeting Poster Presentation: "Diagnostic performance of knee physical exam and participant reported symptoms for MRI-detected effusion-synovitis among participants with early or late stage knee osteoarthritis: data from the Osteoarthritis Initiative". 2016.

LANGUAGES

English– native language

CLINICAL INTERESTS

Spondyloarthritis, ankylosing spondylitis, psoriatic arthritis, psoriasis, overlap between rheumatology and dermatology, rheumatoid arthritis, vasculitis, myositis

PROCEDURAL SKILLS

Excellent competence and comfort in joint aspiration/injection of all peripheral joints and bursa