

Curriculum Vitae WUSM Format
Brian S. Kim, M.D., M.T.R., F.A.A.D



Date: 4/17/2018

Personal Information:

Sex: Male
Date of Birth: January 19, 1979
Place of Birth: New York City, NY

Citizenship:

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Present Position:

Assistant Professor of Medicine
Assistant Professor of Anesthesiology
Assistant Professor of Pathology and Immunology
Co-Director, Center for the Study of Itch

Education:

Undergraduate:	2001	BS	Haverford College (Chemistry, Honors)
Graduate:	2007	MD	University of Washington School of Medicine
Graduate:	2014	MTR	Perelman School of Medicine at the University Of Pennsylvania

Academic Positions / Employment:

2011 – 2014	Instructor of Dermatology, Department of Dermatology Perelman School of Medicine at the University of Pennsylvania
2014 –	Assistant Professor of Medicine Division of Dermatology Department of Medicine Washington University School of Medicine

University and Hospital Appointments and Committees:

2011 – 2012	Attending Physician Division of Dermatology Children’s Hospital of Philadelphia
2011 – 2014	Attending Physician Department of Dermatology Perelman School of Medicine at the University of Pennsylvania
2011 – 2014	Attending Physician Dermatology Clinic Philadelphia VA Medical Center
2012 – 2014	Institutional Review Board Member University of Pennsylvania
2014 –	Attending Physician Center for Advanced Medicine Barnes-Jewish Hospital

Medical Licensure and Board Certification:

2010 – 2011	New Jersey State Medical License (25MA08770200)
2011 –	DEA Registration (FK2061581)
2011 – 2014	Pennsylvania State Medical License (MD442410)

- 2011 – 2021 American Board of Dermatology
- 2014 – Missouri State Board of Registration for the Healing Arts (2014013681)
- 2014 – Bureau of Narcotics and Dangerous Drugs (2500021090)

Honors and Awards:

- 1998 Howard Hughes Medical Institute Research Fellow
- 1999 Howard Hughes Medical Institute Interdisciplinary Scholar
- 2001 Colin F. MacKay Prize in Chemistry
- 2002 University of Washington Medical Student Research Training Program Fellow
- 2004 Howard Hughes Medical Institute-National Institutes of Health Research Scholar
- 2005 National Cancer Institute Cancer Research Training Award
- 2005 Howard Hughes Medical Institute Research Training Fellowship for Medical Students
- 2007 Alpha Omega Alpha
- 2010 Society for Investigative Dermatology Travel Grant Recipient
- 2011 American Academy of Dermatology Healthy Policy Retreat Attendee
- 2011 American Academy of Dermatology Legislative Conference Attendee
- 2012 Contestant in Round 2 of Your Big Idea: Penn Medicine’s Innovation Tournament
- 2013 1st Prize Johnson-Beerman Award, College of Physicians, Section on Dermatology
- 2014 American Academy of Dermatology Young Investigator Award
- 2014 American Society for Clinical Investigation Young Physician -Scientist Award
- 2014 Burroughs Wellcome Fund Career Award for Medical Scientists Finalist
- 2015 Society for Investigative Dermatology Retreat Panelist
- 2015 Society for Investigative Dermatology Trainee Dinner Faculty
- 2016 St. Louis Business Journal’s 40 under 40 Class of 2016
- 2016 Doris Duke Charitable Foundation Clinical Scientist Development Award

Editorial Responsibilities:

- 2012 – Ad hoc reviewer for Journal of Investigative Dermatology
- 2014 – Ad hoc reviewer for Nature Medicine
- 2015 – Ad hoc reviewer for PLOS ONE
- 2015 – Ad hoc reviewer for Genome Research
- 2015 – Ad hoc reviewer for Journal of the American Academy of Dermatology
- 2016 – Ad hoc reviewer for Scientific Reports
- 2016 – Ad hoc reviewer for European Journal of Dermatology
- 2017 – Co-Editor, Research Techniques Made Simple, Journal of Investigative Dermatology

- 2017 – Review Editor, NK and Innate Lymphoid Cell Biology, *Frontiers in Immunology*
- 2017 – Ad hoc reviewer for *Nature Immunology*
- 2017 – Ad hoc reviewer for *New England Journal of Medicine*
- 2017 – Ad hoc reviewer for *Cell*
- 2018 – Ad hoc reviewer for *Immunity*
- 2018 – Ad hoc reviewer for *Proceedings of the National Academy of Sciences*
- 2018 – Ad hoc reviewer for *JCI Insight*

Grant and Award Review Committees:

- 2016 Medical Research Council (MRC) Human Immunology Unit (HIU) at the University of Oxford, ad hoc member
- 2016 NIH/NIAMS Arthritis and Musculoskeletal and Skin Diseases Special Grants Review Committee, AMS Study Section, ad hoc member
- 2017 NIH/NIAMS Arthritis and Musculoskeletal and Skin Diseases Special Emphasis Panel, AMSC Study Section, ad hoc member
- 2017 The Myositis Association
- 2017 Wellcome Trust, Collaborative Award in Science, Infection and Immunobiology, ad hoc reviewer
- 2017 – 2021 American Academy of Dermatology Young Investigator Award Selection Work Group, Association of Professors of Dermatology (APD) Representative
- 2018 Université de Strasbourg Institut d'Etudes Avancées Fellowship, ad hoc reviewer
- 2018 NIH/NIAMS Arthritis, Connective Tissue, and Skin (ACTS) Study Section, ad hoc member

Data Safety Monitoring Boards:

- 2017 NIH/NIAID Allergy-Asthma DSMB, ad hoc member

Invitation to Workshops/Expert Panels:

- 2017 NIH/NIAID Workshop
Atopic Dermatitis and the Atopic March: Mechanisms and Interventions

Undergraduate Mentoring:

Trainee	Period	Project Title	Support	Current Position

Wang, Kelvin	2013 – 2014	The role of basophils and innate lymphoid cells in skin inflammation	Benjamin Franklin Society Scholar	MD Student Baylor College of Medicine
Yin, Wenyuan	Summer 2015	The role of IL-4 receptor alpha in atopic dermatitis	Amgen Scholars Program	MSTP Student The Ohio State University School of Medicine

Graduate Mentoring:

Trainee	Period	Project Title	Support	Current Position
Oetjen, Landon Kyle	4/2014 –	Immune regulation of atopic itch	T32HL007317-37	MSTP Student WUSM
Mack, Madison	2015 –	Transcriptional regulation of innate lymphoid cell development and function	T32AI007163-40	PhD Student WUSM
Xu, Amy	2015 – 2016	Mass cytometric multidimensional analysis of atopic dermatitis	Howard Hughes Medical Institute (HHMI) Medical Research Fellowship	MD/MA Student WUSM
Anna Trier	2017 –	Cytokine regulation of itch	T32	MSTP Student WUSM

Postgraduate Mentoring:

Trainee	Period	Project Title	Support	Current Position
Niu, Haixia	2016 – 2017	High-throughput molecular and cellular phenotyping of atopic dermatitis	LEO Pharma	Postdoctoral Fellow
Wang, Fang	2017 –	Immune Dysregulation in	Departmental	Postdoctoral Fellow

		Atopic Dermatitis		
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Professional Societies and Organizations:

- 2010 – 2012 American Medical Association (Delegate)
- 2010 – American Medical Association (Member)
- 2011 – American Academy of Dermatology (Fellow, Member)
- 2008 – Society for Investigative Dermatology
- 2010 – 2012 Society for Investigative Dermatology, Delegate to the American Medical Association
- 2009 – 2011 American Academy of Dermatology, Council on Science and Research
- 2014 – American Association of Immunologists (Member)
- 2015 – American Academy of Dermatology Pruritus Work Group (Ad hoc member)
- 2016 – Quinsigamond Dermatological Society
- 2016 – Association of Korean Immunologists in America (Member)
- 2017 – Society of Investigative Dermatology Nominating Task Force

Major Invited Professorships and Lectureships:

- 2012 Children’s Hospital of Philadelphia, Pediatric Dermatology for the Practitioner Meeting
- 2012 American Osteopathic College of Dermatology Annual Meeting
- 2013 College of Physicians, Section on Dermatology, Philadelphia
- 2013 American Association of Immunologists Annual Meeting
- 2013 Northwestern University Feinberg School of Medicine, Department of Dermatology Seminar
- 2013 University of California San Francisco, Department of Dermatology Seminar
- 2013 University of Texas Southwestern Medical Center, Department of Dermatology Grand Rounds
- 2014 University of Washington School of Medicine, Department of Medicine, Division of Dermatology Seminar
- 2014 American Association of Immunologists
- 2014 Temple University School of Medicine, Department of Dermatology Seminar
- 2014 Washington University School of Medicine, Clinical Allergy for the Practicing Physician, Chronic Pruritus: Itching for Insights
- 2014 Washington University School of Medicine, Immunology Program Retreat
- 2015 Washington University School of Medicine, Clinical Allergy for the Practicing Physician, Chronic Pruritus: Pathophysiology, Treatments and New Strategies

- 2015 American Academy of Dermatology Summer Meeting, Advice from Experts: Approach to the Red Itchy Patient
- 2015 American Association of Allergy, Asthma and Immunology Contact Dermatitis and Eczema
- 2015 1st Type-2 Immunity Meeting Bern, University of Bern, Immune Regulation of Atopic Itch
- 2016 Miami Winter Symposium, Inflammation – Causes, Prevention and Cures, Immune Regulation of Atopic Itch
- 2016 The American Academy of Allergy, Asthma & Immunology Annual Meeting, ILC2: Gateway to Inflammation, ILC2s as Regulators of Allergic Dermatitis
- 2016 American Academy of Dermatology Annual Meeting, Symposium S038, Chronic Pruritus: Bedside to Bench Perspective, Immunomodulators for Chronic Itch
- 2016 American Academy of Dermatology, Dialogues in Dermatology, Approach to the Itch Patient
- 2016 Washington University School of Medicine, Department of Anesthesiology Grand Rounds, Immune Regulation of Atopic Itch
- 2016 Quinsigamond Dermatological Society Meeting, University of Massachusetts Medical School, New Insights into Chronic Pruritus
- 2016 University of Massachusetts Medical School, Department of Medicine Research Lecture Series, Immune Regulation of Atopic Itch
- 2016 International Eczema Council Annual Meeting 2016, Society of Investigative Dermatology (SID) 75th Annual Meeting, Commensal-Responsive Basophils Promote Acute Atopic Dermatitis-Associated Itch by Amy Z. Xu (Howard Hughes Medical Research Fellow)
- 2016 Washington University School of Medicine, Clinical Allergy for the Practicing Physician, Chronic Pruritus
- 2016 Washington University School of Medicine, The Division of Geriatrics and Nutritional Sciences & The Harvey A. Friedman Center for Aging, Monday Noon Seminar Series: Clinical Issues of Aging, Chronic Pruritus
- 2016 Mini-Medical School, Washington University School of Medicine
- 2016 National Alopecia Areata Foundation, Alopecia Areata Research Summit, “Building and Crossing the Translational Bridge”, New York Academy of Medicine, Neuronal type 2 cytokine signaling critically regulates chronic itch in the setting of atopic dermatitis
- 2017 Dermatology Innovation Forum, Immune Regulation of Atopic Itch
- 2017 Washington University School of Medicine, Immunology Program Research Seminar Series, Immune Regulation of Itch
- 2017 Society for Investigative Dermatology, Aclaris Sponsored Symposium, Scratch that Itch: JAK Inhibitors in Pruritus
- 2017 Society for Investigative Dermatology, Neuronal IL-4R α and JAK1 signaling mediate chronic itch by Landon K. Oetjen (MSTP Student)
- 2017 Washington University School of Medicine Reunion Continuing Medical Education, The Mystery of Chronic Itch

- 2017 American Association of Immunologists, Sensory neurons co-opt classical immune signaling pathways to mediate chronic itch by Landon K. Oetjen (MSTP Student)
- 2017 The Arthur Z. Eisen Scientific Symposium, Immune Regulation of Chronic Itch
- 2017 American Academy of Dermatology Summer Meeting, Comparative Dermatology: Cases at the Intersection of Human and Veterinary Dermatology and the One Health Paradigm
- 2017 Washington University School of Medicine, Clinical Allergy for the Practicing Physician, Chronic Itch
- 2017 NIH/NIAID Workshop, Atopic Dermatitis and the Atopic March: Mechanisms and Interventions, Session 2: Mechanisms of Cutaneous Inflammation in AD, Immune Regulation of Atopic Dermatitis and Itch
- 2017 9th World Congress on Itch, Concurrent Session: Methods in Itch Research, Sensory Neurons Co-Opt Classical Immune Signaling Pathways to Mediate Chronic Itch, Wroclaw, Poland
- 2017 University of Utah School of Medicine, Immunology, Inflammation, and Infectious Diseases Seminar Series, Neuroimmunologic Regulation of Chronic Itch
- 2017 Washington University in St. Louis, Pre-medical Society, The Mystery of Itch
- 2017 2nd Type-2 Immunity Meeting Bern, University of Bern, Neuroimmune Regulation of Chronic Itch
- 2018 Medical Dermatology Society Annual Meeting, Keynote Presentation, What's New in the Pathophysiology of Itch: Cutting Edge, San Diego, CA
- 2018 American Academy of Dermatology Annual Meeting, Symposium S055, Chronic Pruritus: Bedside to Bench Perspective, Neuroimmune Basis of Chronic Itch
- 2018 American Academy of Allergy, Asthma & Immunology Annual Meeting, Neuronal IL-4R α and JAK1 signaling critically mediate atopic dermatitis-associated itch by Landon K. Oetjen (MSTP Student), Session 2608: Immune Mechanisms in Atopic Dermatitis
- 2018 Boston University School of Medicine, Annual Chair Visiting Professorship Lecture, Neuroimmune Regulation of Chronic Itch
- 2018 Mayo Clinic Scottsdale, Neuroimmune Regulation of Chronic Itch
- 2018 57th Annual Swineford Allergy Conference, University of Virginia School of Medicine, Relevance of Th2 Cytokines and IL-4 Receptor on Sensory Neurons to Itch in AD

Meeting and Symposium Organization:

- 2016 Co-Chair Neuroimmunology Seminar Series, Division of Immunobiology, Department of Pathology and Immunology, Washington University School of Medicine

- 2017 – Annual Immunology Retreat Co-Organizer, Washington University School of Medicine
- 2017 Chair, Cell Symposia, Neuro-Immune Axis: Reciprocal Regulation in Development, Health, and Disease, Session 4: Inflammatory Microenvironments and Neuroimmune Interfaces, Sitges, Spain
- 2017 Chair, 9th World Congress on Itch, Concurrent Session: Skin, Inflammation, and Itch, Wroclaw, Poland
- 2018 Co-Organizer for the International Investigative Dermatology (IID) 2018 Future Leaders Symposium
- 2018 Society for Investigative Dermatology Nominating Task Force

Invited Interviews:

- 2014 KMEM-FM Radio with Dr. Randy Tobler (Memphis, MO)
- 2014 Reader's Digest, "A Day in the Life of your Skin" by Teresa Domain
- 2015 Ivanhoe Broadcast News (Orlando, FL)
- 2015 The Atlantic with James Hamblin
- 2016 Wired Contributing Editor Bryan Gardiner
- 2016 Fox 2 Now! St. Louis News
- 2016 St. Louis Public Radio by Eli Chen
- 2017 Washington University, Office of Medical Public Affairs, "Science Matters" with Gaia Remerowski and Huy Mach
- 2017 KMOV 4 News, Great Day St. Louis
- 2017 BBC Science Radio, 'The Curious Cases of Rutherford & Fry,' Producer Michelle Martin
- 2017 Dermatology World, "The Itchy Scalp" by Victoria Houghton
- 2017 CBS National News – Newspath with Seth Lemon (Correspondent)
- 2017 KSDK Channel 5 News St. Louis – "Dry Skin Itch"

Consulting Relationships:

- 2016 Consultant for Incyte Corporation
Phase 2 clinical trial design
- 2016 Consultant for Regeneron Pharmaceuticals
Invited speaker
- 2018 Consultant for Concert Pharmaceuticals
Invited speaker

Advisory Board Memberships:

- 2015 – Board Member – Young Friends Jazz St. Louis 2

2017 Scientific Advisory Board – Sanofi
2017 Scientific Advisory Board – Celgene
2017 Scientific Advisory Board – Menlo Therapeutics
2018 Scientific Advisory Board – Theravance Biopharma

Research Support:

Governmental

Title: Dermatology Research Training Grant
Agency: NIH/NIAMS NRSA - T32 AR007465-28
Role: Postdoctoral Trainee
Duration: 09/01/2010 - 06/30/2012
Amount: \$52,094/year

Title: Skin Disease Research Center Award
Agency: NIH/NIAMS - P30-AR057217
Role: Project Leader
Duration: 07/01/2011 - 06/30/2012
Amount: \$15,000/year

Title: Institutional Clinical and Translational Science Award
Agency: NIH/NIAMS CTSA Award - KL2-RR024132
Role: Postdoctoral Trainee
Duration: 07/01/2012 – 06/30/2014
Amount: \$118,700/year

Title: Innate Immune Regulation of Skin Inflammation
Agency: NIH/NIAMS - K08-AR065577-01
Role: Primary Investigator
Duration: 04/01/2014 – 03/31/2019
Amount: \$145,000/year

Title: African Americans with Atopic Dermatitis: Skin Barrier & Immune Dysregulation
Agency: NIH/NIAMS - R01-AR069062-01
Role: Co-Investigator (Subaward with University of Pennsylvania)
Duration: 02/18/16 – 01/31/21
Amount: \$48,150 (Year 1)

Title: Immune Regulation of Atopic Dermatitis
Agency: NIH-CTSD-ICTS – Washington University

Role: Primary Investigator
Duration: 12/04/2015 – 12/03/2016.
Amount: \$4,610

Title: Immune Regulation of Atopic Itch
Agency: NIH/NIAMS – R01-AR070115-01
Role: Primary Investigator
Duration: 08/05/16 – 06/30/21
Amount: \$220,000/year

Title: Atopic Dermatitis and High Resolution HLA
Agency: NIH/NIAMS – R01-AR070873
Role: Co-Investigator (Subaward with University of Pennsylvania)
Duration: 09/01/17 – 06/30/22
Amount: \$11,000 (Years 1-2); \$47,000 - \$65,000 (Years 3-5)

Foundation

Title: Atopic Dermatitis
Agency: Arguild Foundation
Role: Primary Investigator
Duration: 06/30/2013 – 06/30/2014
Amount: \$30,000/year

Title: Cytokine Regulation of Atopic Itch
Agency: American Skin Association
Role: Primary Investigator
Duration: 01/01/2015 – 12/31/2015
Amount: \$15,000

Title: Immune Regulation of Atopic Dermatitis and Itch
Agency: Doris Duke Charitable Foundation
Role: Primary Investigator
Duration: 07/01/16 – 06/30/19
Amount: \$150,000/year

Title: Innate Lymphoid Cell Dysfunction In Omenn Syndrome
Agency: Children's Discovery Institute
Role: Primary Investigator
Duration: 02/15/2017 – 02/14/2018
Amount: \$7,500

Industry

Title: Immune Regulation of Atopic Dermatitis and Itch
Agency: Celgene Corporation
Role: Primary Investigator
Duration: 03/01/16 – 03/01/17
Amount: \$91,445

Title: Immune Regulation of Atopic Itch
Agency: Leo Pharma
Role: Primary Investigator
Duration: 07/05/16 – 07/04/19
Amount: \$848,619

Industry-Sponsored Clinical Trials

Regeneron

Protocol: R668-AD-1415
A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Investigating the Efficacy and Safety of Multiple Dupilumab Dose Regimens Administered as Monotherapy for Maintaining Treatment Response in Patients with Atopic Dermatitis
Dates: July 2015 – present.
Role: Sub-Investigator
Primary Investigator: Dr. Ann Martin

Roche

Protocol: GS29250
A Phase II, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Lebrikizumab in Patients with Persistent Moderate to Severe Atopic Dermatitis that is Inadequately Controlled by Topical Corticosteroids.
Dates: August 2015 – present.
Role: Sub-Investigator
Primary Investigator: Dr. Amy Musiek

Regeneron

Protocol: R668-AD-1415
A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Investigating the Efficacy and Safety of Multiple Dupilumab Dose Regimens Administered as Monotherapy for Maintaining Treatment Response in Patients with Atopic Dermatitis.
Dates: July 2015 – present.
Role: Sub-Investigator
Primary Investigator: Dr. Ann Martin

Regeneron

Protocol: R668-AD-1225.
An Open-Label Study of Dupilumab in Patients with Atopic Dermatitis Who Participated in Previous Dupilumab Clinical Trials
Dates: September 2015 – present.

Role: Sub-Investigator
Primary Investigator: Dr. Ann Martin

Vanda Pharmaceuticals Inc.

Protocol: VP-VLY-686-2102
A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Assess the Safety and Efficacy of Tradipitant in Treatment-Resistant Pruritus Associated with Atopic Dermatitis
Role: Primary Investigator
Dates: May 2016 – present

Incyte

Protocol: INCB 18424-206
A Phase 2, Randomized, Dose-Ranging, Vehicle-Controlled and Triamcinolone 0.1% Cream-Controlled Study to Evaluate the Safety and Efficacy of INCB018424 phosphate Cream Applied Topically to Adults with Atopic Dermatitis
Role: Primary Investigator, Lead
Dates: December 2016 – March 2018

Celgene

Protocol: Investigator-initiated trial
An Open Label Study of Apremilast in Chronic Idiopathic Pruritus
Role: Primary Investigator, Lead
Dates: December 2017 – Present

Kiniksa

Protocol: KPL-OBS001
Longitudinal Trial to Understand Symptomatology in Prurigo Nodularis (Chronic Prurigo)
Role: Primary Investigator
Dates: March 2017 - Present

Patents

U.S. Provisional Application No. 62/295,875

Clinical Title and Responsibilities:

2011 – 2014	Instructor of Dermatology Perelman Center for Advanced Medicine ½ day/every 2 weeks 4 weeks/year inpatient consult service
2013 – 2014	Attending Physician

Penn Medicine at Valley Forge
1 day/every 2 weeks

2014 - Assistant Professor of Dermatology
Washington University School of Medicine
½ day/week

Teaching Title and Responsibilities:

2011 – 2014 Attending Physician
Dermatology Teaching Clinic
Philadelphia VA Medical Center
½ day/week

2011 – 2014 Instructor of Dermatology
Inpatient Consult Teaching
Hospital of the University of Pennsylvania
4 weeks/year

2010 – 2012 Ad hoc Lecturer
Derm 200 Course
Perelman School of Medicine

2011 – 2012 Ad hoc Lecturer
University of Pennsylvania School of Nursing

2014 – Assistant Professor Medicine
Dermatology Teaching Clinic
Center for Advanced Medicine

2014 – Resident Lecture – Atopic Dermatitis (08/22/14, 10/24/2015,
07/29/2016)

2014 Volunteer Attending – Asian Pacific American Medical Student
Association Health Fair (02/15/2015)

2015 – Center for Human Immunology and Immunotherapy Programs
(CHiPs) Translational Immunology Conference Co-Organizer

2016 – Lecturer
Washington University School of Medicine
Immunology Course M30 523

2017 – Preliminary Exam Examiner
Washington University School of Medicine

Immunology Graduate Program

Service:

- 2017 Facebook Q&A on Atopic Dermatitis sponsored by National Institute of Arthritis Musculoskeletal and Skin Diseases (NIAMS) and the National Eczema Association (NEA), October 31st, 2017
https://www.facebook.com/events/1494708303982341/?active_tab=discussion

Bibliography:

Peer Reviewed Manuscripts

1. Fathke C, Wilson L, Shah K, Kim B, Hocking A, Moon R, Isik F, Wnt signaling induces epithelial differentiation during cutaneous wound healing. *BMC Cell Biology* 2006: 7:4.
2. Miyagawa F, Tagaya Y, Kim BS, Patel HJ, Ishida K, Ohteki T, Waldmann TA, Katz SI, IL-15 serves as a costimulator in determining the activity of autoreactive CD8 T cells in an experimental mouse model of graft-versus-host-like disease. *Journal of Immunology* 2008: 181: 1109-1119.
3. Kim BS, Miyagawa F, Cho YH, Bennett CL, Clausen BE, Katz SI, Keratinocytes function as accessory cells for presentation of endogenous antigen expressed in the epidermis. *Journal of Investigative Dermatology* 2009: 129: 2805-2817.
4. Klein RS, Rosenbach M, Kim EJ, Kim B, Werth VP, Dunham J, Tumor necrosis factor-inhibitor associated dermatomyositis. *Archives of Dermatology* 2010: 46: 780-784.
5. Siracusa MC, Saenz SA, Hill DA, Kim BS, Headley MB, Doering TA, Wherry EJ, Jessup HK, Siegel LA, Kambayashi T, Dudek EC, Kubo M, Cianferoni A, Spergel JM, Ziegler SF, Comeau MR, Artis D, TSLP promotes interleukin-3-independent basophil hematopoiesis and type 2 inflammation. *Nature* 2011: 477: 229-233.
6. Hill DA, Siracusa MC, Abt MA, Kim BS, Kobuley D, Kubo M, Kambayashi T, LaRosa DF, Renner ED, Orange JS, Bushman FD, Artis D, Commensal bacteria-derived signals regulate basophil hematopoiesis and allergic inflammation. *Nature Medicine* 2011: 18: 538-546.
7. Kim BS, Siracusa MC, Saenz SA, Noti M, Monticelli LA, Sonnenberg GF, Van Voorhees AS, Smith DE, Comeau MR, Artis D, TSLP elicits IL-33-independent innate lymphoid cell responses to promote skin inflammation. *Science Translational Medicine* 2013: 5: 170ra16.

8. Wise DR, Kim BS, Ferenczi K, Rosenbach M, Cutaneous vulvar metastases in a patient with anal squamous cell carcinoma. *Cutis* 2013; 91: 125-126.
9. Drago M, Kim BS, Elder D, Bennett D, Rosenbach M, All-trans retinoic acid-induced scrotal ulcers in an African-American patient with acute promyelocytic leukemia. *Cutis* 2013; 91:246-247.
10. Roediger G, Kyle R, Yip KH, Sumaria N, Guy TV, Kim BS, Mitchell MJ, Tay SS, Jain R, Forbes-Blom E, Chen X, Tong PL, Bolton HA, Artis D, Paul WE, Fazekas de St. Groth B, Grimbaldston MA, Le Gros G, Weninger W, Cutaneous immunosurveillance and regulation of inflammation by group 2 innate lymphoid cells. *Nature Immunology* 2013; 14: 564-573.
11. Wysocka M, Kossenkov AV, Benoit BM, Troxel AB, Singer E, Schaffer A, Kim B, Dentchev T, Nagata S, Ise T, Showe LC, Rook AH, CD164 and FCRL3 are highly expressed on CD4+CD26- T cells in Sézary syndrome patients. *Journal of Investigative Dermatology* 2013; 134: 229-236.
12. Noti M, Wojno ED, Kim BS, Siracusa MC, Giacomini PR, Nair MG, Benitez AJ, Ruymann KR, Muir AB, Hill DA, Chikwava KR, Moghaddam AE, Sattentau QJ, Alex A, Zhou C, Yearley JH, Menard-Katcher P, Kubo M, Obata-Ninomiya K, Karasuyama H, Comeau MR, Brown-Whitehorn T, de Waal Malefyt R, Sleiman PM, Hakonarson H, Cianferoni A, Falk GW, Wang ML, Spergel JM, Artis D, Thymic stromal lymphopoietin-elicited basophil responses promote eosinophilic esophagitis. *Nature Medicine* 2013; 19: 1005-1013.
13. Saenz SA, Siracusa MC, Monticelli LA, Ziegler CG, Kim BS, Brestoff JR, Peterson LW, Wherry EJ, Goldrath AW, Bhandoola A, Artis D, IL-25 simultaneously elicits distinct populations of innate lymphoid cells and multipotent progenitor type 2 (MPtype2) cells. *Journal of Experimental Medicine* 2013; 210: 1823-1837.
14. Margolis DJ, Kim B, Apter AJ, Gupta J, Hoffstad O, Papadopoulos M, Mitra N, Thymic stromal lymphopoietin variation, filaggrin loss-of-function, and the persistence of atopic dermatitis, *JAMA Dermatology* 2014; 150: 254-259.
15. Siracusa MC, Saenz SA, Wojno ED, Kim BS, Osborne LC, Ziegler CG, Benitez AJ, Ruymann KR, Farber DL, Sleiman PM, Hakonarson H, Cianferoni A, Wang ML, Spergel JM, Comeau MR, Artis D, TSLP-mediated extramedullary hematopoiesis promotes allergic inflammation. *Immunity* 2013; 39: 1158-1170.
16. Noti M, Kim BS, Siracusa MC, Rak GD, Kubo M, Moghaddam AE, Sattentau QA, Comeau MR, Spergel JM, Artis D, Exposure to food allergens through inflamed skin promotes intestinal food allergy through the thymic stromal lymphopoietin-basophil axis. *Journal of Allergy and Clinical Immunology* 2014; 133:1390-1399

17. Nagler AR, Kim BS, Gormley RH, Chandler LJ, Han JH, Amorosa, VK, Kovarik CL, A verrucous nodule on the upper lip. *Cutis* 2014: 93: E15-7.
18. Schram A, Kim BS, Carlos C, Tetzlaff M, Schuster M, Rosenbach M, Primary subcutaneous *Candida tropicalis* infection in a patient with B-cell lymphoma. *Cutis* 2014: 93: 204-206.
19. Kim BS, Wang K, Siracusa MC, Saenz SA, Brestoff JB, Monticelli LA, Noti M, Tait Wojno ED, Fung TC, Kubo M, Artis D, Basophils promote innate lymphoid cell responses in inflamed skin. *Journal of Immunology* 2014: 193: 3717-3725.
20. Brestoff JR, Kim BS, Steven SA, Stine RR, Monticelli LA, Sonnenberg GF, Thome JJ, Farber DL, Lutfy K, Seale P, Artis D, Group 2 innate lymphoid cells promote beiging of white adipose tissue and limit obesity. *Nature* 2014: 519:242-6.
21. Margolis DJ, Mitra N, Kim B, Gupta J, Hoffstad OJ, Papadopoulos M, Wubbenhorst B, Hathanson KL, Duke JL, Dimtri M, Kamoun M. Association of HLA-DRB1 genetic variants with the persistence of atopic dermatitis. *Human Immunology* 2015: 76:571-7.
22. Rak GD, Osborne LD, Siracusa MC, Kim BS, Wang K, Ardeshir B, Artis D, Volk SW. IL-33-dependent group 2 innate lymphoid cells promote cutaneous wound healing. *Journal of Investigative Dermatology* 2016: 136:487-96.
23. Xu AZ, Tripathi SV, Kau AL, Schaffer A, Kim BS. Immune dysregulation underlies a subset of patients with chronic idiopathic pruritus. *Journal of the American Academy of Dermatology* 2016: 74:1017-20.
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Invited Publications

1. Kim B and James W, Postoperative use of topical antimicrobials. *Dermatitis* 2009: 20:174.
2. Kim BS, Atopic dermatitis. Medscape Reference. Updated April 4, 2012. Available at: <http://emedicine.medscape.com/article/1049085-overview>.
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6. Kim BS, Siracusa MC, Spergel JM, Artis D. Basophils and allergic inflammation. *Journal of Allergy and Clinical Immunology* 2013; 132: 789-801.
7. Kim BS. Innate lymphoid cells in the skin. *Journal of Investigative Dermatology* 2014; 135:673-8.
8. Tripathi SV and Kim BS. The science of chronic itch. *The Rheumatologist* 2014.
9. Kim BS and Artis D. Group 2 innate lymphoid cells in health and disease. *Cold Spring Harbor Perspectives in Biology* 2015 7(5).
10. Oetjen LK, Noti M, Kim BS. New insights into basophil heterogeneity. *Seminars in Immunopathology* 2016; 38:549-561.
11. Mack MR and Kim BS. Superficial immunity: antibacterial responses are more than skin deep. *Immunity* 2016.
12. Kim B. Retrospective Analysis of Data From an Itch Center: Integrating Validated Tools in the Electronic Health Record. PracticeUpdate website. Available at: <http://www.practiceupdate.com/content/retrospective-analysis-of-data-from-an-itch-center-integrating-validated-tools-in-the-electronic-health-record/44529/65/4/1>. Accessed October 18, 2016
13. Oetjen LK, Trier AM, Kim BS. PXR: A New Player in Atopic Dermatitis. *Journal of Investigative Dermatology* 2017.
14. Oetjen LK and Kim BS. Interactions of the immune and sensory nervous systems in atopy. *The FEBS Journal* (Accepted).

Special Features, Spotlights, and Highlights

1. Irvine A: F1000Prime Recommendation of [Oetjen LK et al., *Cell* 2017, 171(1):217-228.e13]. In F1000Prime, 22 Sep 2017; DOI: 10.3410/f.731077756.793536819. F1000Prime.com/731077756#eval793536819
2. Bordon Y. Neuroimmunology: JAK in the itch. *Nat Rev Immunol.* 2017 Oct;17(10):591
3. Whalley K. Neuroimmunology: Scratching the surface of chronic itch. *Nat Rev Neurosci.* 2017 Nov;18(11):642.
4. Keegan A: F1000Prime Recommendation of [Oetjen LK et al., *Cell* 2017, 171(1):217-228.e13]. In F1000Prime, 12 Dec 2017; DOI: 10.3410/f.731077756.793539972. F1000Prime.com/731077756#eval793539972

5. The Osgood File: An itch that won't go away. December 20th, 2017.
6. Kipnis J and Filiano AJ: Neuroimmunology in 2017, Year in Review, December 27th, 2017. Nat Rev Immunol. 2017.