



HOSPITAL FOR SPECIAL SURGERY

Academic Presentations from the

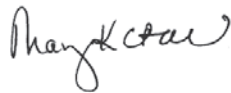
**American College of
Rheumatology
Annual Meeting 2018**

Dear Colleague,

I am pleased to inform you of Hospital for Special Surgery's participation at the American College of Rheumatology Annual Meeting where HSS faculty showcased important research in today's practice of rheumatology. The following pages show a diversity of moderated panels, and numerous oral and poster presentations that attests to our collaborative culture of scientific and clinical research.

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This is an age of transformation in healthcare. I am proud of the work we do at HSS and our presence at this important annual meeting underscores the valuable contributions HSS makes to improve patient outcomes and lives around the world. Please reach out to professionaleducation@hss.edu should you want more information on these academic presentations.



Mary K. (Peggy) Crow, MD

Physician-in-Chief
Chair, Department of Medicine
Chief, Rheumatology Division
Professor of Medicine, Weill Cornell Medicine



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ACR/ARHP Annual Meeting

PRE-MEETING ACR/ARHP SESSION

Checkpoint Inhibitors: Cure for Cancer, Cause for Autoimmunity

Anne R. Bass, MD

Perioperative Management of Rheumatic Disease Patients Undergoing Orthopaedic Surgery

Susan M. Goodman, MD

BASIC SCIENCE SYMPOSIUM

The Role of Cytokines in Macrophage Activation and Polarization

Lionel B. Ivashkiv, MD

CLINICAL SYMPOSIUM

Antiphospholipid Syndrome—The Scary Stuff: Non-Obstetric Stuff

Doruk Erkan, MD, MPH

Reproductive Health in Rheumatology Patients: A New ACR Clinical Guideline

Eliza Chakravarty, MD, MS, Lisa R. Sammaritano, MD, Bonnie Bermas, MD, Christina Chambers, PhD, MPH, Megan Clowse, MD, MPH

DALTROY MEMORIAL LECTURE

What Matters in Patient Provider Relationships? Values, Attitudes and Beliefs

Moderator: Joan Westreich, LCSW-R

Adena Batterman, LCSW, Jillian Rose, LCSW, MPH

MEET THE PROFESSOR

Antiphospholipid Syndrome

Michael D. Lockshin, MD

Polymyalgia Rheumatica

Robert F. Spiera, MD

MODERATOR(S)

2018 CARE: MOC Session 3: OA and Gout/Pseudogout

Juliet Aizer, MD, MPH

Ethical Issues in Clinical Practice: Providing the Best Care and System Challenges

Karen B. Onel, MD

Fellows Symposium: Personalized Medicine

Anne R. Bass, MD

Program Directors' Forum

Anne R. Bass, MD

RA–DX, Manifestations, and Outcomes III: Diagnosis and Prognosis II

Iris Navarro-Millán, MD, MSPH

Reproductive Health in Rheumatology Patients: A New ACR Clinical Guideline

Michael D. Lockshin, MD

SLE—Etiology and Pathogenesis II

Mary K. Crow, MD

Study Group: Antiphospholipid Syndrome

Medha Barbhैया, MD, MPH, Doruk Erkan, MD, MPH

Undifferentiated Connective Tissue Diseases

Michael D. Lockshin, MD

What's New in the Genomics of AAV

Robert F. Spiera, MD

ORAL PRESENTATIONS

A Protective Langerhans Cell-Keratinocyte Axis That is Dysfunctional in Photosensitivity

William D. Shipman, PhD, Susan Chyou, BA, Anusha Ramanathan, MD, Peter M. Izmirly, MD, Sneha Sharma, MS, Tania Pannellini, MD, Dragos Dasoveneau, MS, Xiaoping Qing, PhD, Cynthia M. Magro, MD, Richard D. Granstein, MD, Michelle A. Lowes, MD, Eric G. Pamer, MD, Daniel H. Kaplan, MD, PhD, Jane E. Salmon, MD, Baback J. Mehrara, MD, James W. Young, MD, Robert M. Clancy, PhD, Carl P. Blobel, MD, PhD, Theresa T. Lu, MD, PhD

Association of Dietary Quality Scores and Incident SLE in the Nurses' Health Studies

Medha Barbhैया, MD, MPH, Bing Lu, DrPH, MS, Sarah K. Tedeschi, MD, MPH, Cianna Leatherwood, MD, MPH, Jeffrey A. Sparks, MD, MMSC, Walter C. Willett, MD, MPH, DrPH, Elizabeth W. Karlson, MD, Karen H. Costenbader, MD, MPH

Characterization of Preferential Recognition of a Chimeric Recombinant Proteinase 3 Variant By Anti-Neutrophil Cytoplasmic Antibodies

Gwen Thompson, MD, Marta Casal Moura, MD, MS, MPH, Darlene Nelson, MD, Amber Hummel, Dieter E. Jenne, MD, Fernando Fervenza, MD, PhD, Gary S. Hoffman, MD, Cees G.M. Kallenberg, MD, PhD, Carol Langford, MD, MHS, FACP, Joseph W. McCune, MD, Peter A. Merkel, MP, MPH, Paul A. Monach, MD, PhD, Philip Seo, MD, Robert F. Spiera, MD, Eugene William St. Clair, MD, Steven R. Ytterberg, MD, John H. Stone, MD, MPH, William H. Robinson, MD, PhD, Yuan-Ping Pang, PhD, Ulrich Specks, MD

Childhood Physical and Sexual Abuse and Risk of Systemic Lupus Erythematosus Among African American Women

Medha Barbhaiya, MD, MPH, Yvette Cozier, DSc, MPH, Nelsy Webb-Castro, MA, Cianna Leatherwood, MD, MPH, Sara K. Tedeschi, MD, MPH, Lynn Rosenberg, ScD, Karen H. Costenbader, MD, MPH

Complementary Practices As Alternatives to Pain: Effectiveness of a Pain Management Program for Patients in an Orthopedic Clinic

Maggie Wimmer, Robyn Wiesel, MCHES, Bernice Adams, LCSW, Mikhaila Goldman, LMSW, Titilayo Ologhobo, MPH, Yu Sun, MPH, Mavis Seehaus, MS, LCSW, Sandra Goldsmith, MA, MS, RD, Laura Robbins, DSW

Complications Following Total Knee Arthroplasty in Inflammatory Versus Osteoarthritis

Shawn Richardson, MD, William Schairer, MD, Cynthia Kahlenberg, MD, Peter K. Sculco, MD, Thomas P. Sculco, MD, Linda A. Russell, MD, Susan M. Goodman, MD, Mark P. Figgie, MD

Critical Appraisal Self-Efficacy and Learning Behavior in Rheumatology Trainees

Juliet Aizer, MD, MPH, Michael D. Tiongson, Julie Schell, EdD, MS, Jessica R. Berman, MD, Stephen A. Paget, MD, Lisa A. Mandl, MD, MPH

De-escalation of Therapy in RA

Vivian P. Bykerk, MD

Dermal Lymphatic Dysfunction and Photosensitivity in the MRL/Lpr Lupus Model

Noa Schwartz, MD, MS, Susan Chyou, BS, Thomas Li, William Shipman III, PhD, Theresa Lu, MD, PhD

Erythrocyte Bound C4d in the Presence of Adverse Pregnancy Outcome Events in Pregnant Women with Systemic Lupus Erythematosus

Jill Buyon, MD, Peter Izmirly, MD, H. Michael Belmont, MD, John Conklin, Nicole Kaiden, Jane E. Salmon, MD, Roberta Alexander, Thierry Dervieux, PhD

Evaluation of Performance Measures Reveals Delays and Sub-Optimal Access to Rheumatology Care and Treatment

Claire Barber, MD, PhD, Diane Lacaille, MD, MSc, Peter Faris, PhD, Dianne P. Mosher, MD, Steven J. Katz, MD, MPH, Joanne Homik, MD, MSc, Jatin Patel, MD, Sharon Zhang, Cheryl Barnabe, MD, MSc, Glen Hazlewood, MD, PhD, Vandana Ahluwalia, MD, Natalie J. Shiff, MD, MHS, Vivian P. Bykerk, MD, Marinka Twilt, MD, PhD, Susanne Benseler, MD, PhD, Jennifer Burt, PhD, Deborah A. Marshall, PhD

First and Recurrent Thrombosis Risk After 1897 Patient-Years of Follow-up: Prospective Results From Antiphospholipid Syndrome Alliance for Clinical Trials and International Networking (APS ACTION) Clinical Database and Repository (“Registry”)

Ecem Sevim, MD, Ozan Unlu, MD, Danieli Andrade, MD, PhD, Alessandra Banzato, MD, Maria Tektonidou, MD, Amaia Ugarte, MD, Maria Gerosa, MD, Hannah Cohen, MBChB, MD, FRCP, W. David Branch, MD, Guilherme de Jesus, MD, Angela Tincani, MD, Paul R. Fortin, MD, MPH, Michelle Petri, MD, MPH, Ignasi Rodriguez Pinto, MD, MSc, Jason S. Knight, MD, PhD, Tatsuya Atsumi, MD, Rohan Willis, MD, Robert Roubey, MD, Doruk Erkan, MD, MPH, On Behalf of APS ACTION

Five-Year Outcome of Operative and Nonoperative Management of Meniscal Tear in the Presence of Osteoarthritic Changes

Jeffrey N. Katz, MD, Swastina Shrestha, MD, Elena Losina, MD, Lisa A. Mandl, MD, MPH, Bruce Levy, MD, Jamie E. Collins, MD

Histologic and Transcriptional Evidence of Subclinical Synovial Inflammation in Rheumatoid Arthritis Patients in Clinical Remission

Dana Orange, MD, Phaedra Agius, PhD, Edward F. Dicarlo, MD, Serene Z. Mirza, BSc, Cristina Roza, PhD, Tania Pannellini, MD, PhD, Mark P. Figgie, MD, William H. Robinson, MD, PhD, Jackie Szymonifka, MA, Vivian P. Bykerk, MD, Laura T. Donlin, PhD, Susan M. Goodman, MD

Lifestyle and MTX Use Are the Strongest Predictors of Not Achieving Remission in the First Year of Rheumatoid Arthritis: Results From the Canadian Early Arthritis Cohort (CATCH)

Susan J. Bartlett, PhD, Orit Schieir, PhD, Marie-France Valois, MSc, Carol A. Hitchon, MD, Louis Bessette, MD, MSc, Gilles Boire, MD, MSc, Carter Thorne, MD, Janet E. Pope, MD, MPH, Vivian P. Bykerk, MD, Edward C. Keystone, MD, Diane Tin, BSc Pharm, Glen Hazlewood, MD, PhD

Majeed Syndrome Causing LPIN2 Mutations May Prevent Bone “Healing” by Rendering M2 Macrophage Proinflammatory

Farzana Bhuyan, Adriana A. de Jesus, MD, PhD, Rachel VanTries, Ronit Herzog, MD, Karen B. Onel, MD,

Bernadette Marrero, PhD, Yan Huang, Catherine Calvo, Gina A. Montealegre Sanchez, MD, Polly J. Ferguson, MD, Raphaela Goldbach-Mansky, MD, MHS

Patient-Reported Outcomes Measurement Information System (PROMIS®) Global Health Short Form Is Responsive to Patient-Reported Changes in SLE Health Status

Shanthini Kasturi, MD, Jackie Szymonifka, MA, Jessica R. Berman, MD, Kyriakos A. Kirou, MD, Alana B. Levine, MD, Lisa R. Sammaritano, MD, Lisa A. Mandl, MD, MPH

Pregnancy in Lupus: 17-Year U.S. Nationwide Trend in Obstetric and Maternal Outcomes

Yiming Luo, MD, Bella Mehta, MBBS

Remaining Pain and Widespread, Non-Inflammatory Pain Distribution During the First 12 Months After RA Diagnosis

Yvonne C. Lee, MD, Orit Schieir, PhD, Marie-France Valois, Susan J. Bartlett, PhD, Gilles Boire, MD, MSc, Boulos Haraoui, MD, Carol A. Hitchon, MD, Edward C. Keystone, MD, Diane Tin, BSc Pharm, Carter Thorne, MD, Janet E. Pope, MD, MPH, Vivian P. Bykerk, MD

Screening Youth with Lupus for Depression and Anxiety in Pediatric Rheumatology Clinics

Tamar Rubinstein, MD, MS, Marija Dionizovik-Dimanovski, MD, Chelsey Smith, CCRC, Raphael Kraus, MD, Jordan T. Jones MD, Julia Harris, MD MPH, Martha Rodriguez, MD, Melissa Teshler, MD, Lauren Faust, MA, Beth Rutstein, MD, Rebecca Puplava, Alaina Davis, MD, MPH, Sangeeta Sule, MD, PhD, Karen B. Onel, MD, Emily von Scheven, MD, MAS, Andrea Knight, MD, MSCE, for the CARRA SLE Subcommittee

Serum Interleukin-6 Levels in Antineutrophil Cytoplasmic Antibody-Associated Vasculitis

Alvise Berti, MD, Roscoe Warner, PhD, Kent Johnson, MD, Divi Cornec, MD, PhD, Darrell Schroeder, MS, Brian Kabat, MS, Carol A. Langford, MD, MHS, Gary S. Hoffman, MD, MS, Cees G. M. Kallenberg, MD, PhD, Philip Seo, MD, MPH, Robert F. Spiera, MD, Eugene William St. Clair, MD, Fernando C. Fervenza, MD, PhD, John H. Stone, MD, MPH, Paul A. Monach, MD, PhD, Ulrich Specks, MD, Peter A. Merkel, MD

Single Cell Association Testing Identifies an Expanded Th1-Skewed Cytotoxic Effector CD4+ T Cell Subset in Rheumatoid Arthritis

Chamith Fonseka, PhD, Deepak Rao, MD, PhD, Nikola Teslovich, PhD, Ilya Korsunsky, PhD, Susan Hannes, MS, Kamil Slowikowski, PhD, Michael Gurish, PhD, Laura T. Donlin PhD, James A. Lederer, MS, PhD, Michael Weinblatt, MD, Elena Massarotti, MD, Jonathan Coblyn, MD,

Simon Helfgott, MD, Derrick J. Todd, MD, PhD, Vivian P. Bykerk, MD, Elizabeth W. Karlson, MD, Joerg Ermann, MD, PhD, Yvonne C. Lee, MD, MPH, Michael Brenner, MD, Soumya Raychaudhuri, PhD

SLE Flares During and After Pregnancy are Mild and Occur at Similar Rates

Julia Davis-Porada, BA, Sam Stern, MS, Marta M. Guerra MS, Carl Laskin, MD, Michelle Petri, MD, MPH, Michael D. Lockshin, MD, Lisa R. Sammaritano, MD, D. Ware Branch, MD, Allen D. Sawitzke, MD, Joan T. Merrill, MD, Jill P. Buyon, MD, Mimi Kim, ScD, Jane E. Salmon, MD

The Effect and Psychosocial Impact of a Longstanding Telephone Peer Counseling Service on Volunteers with Systemic Lupus Erythematosus

Priscilla Toral, LCSW, Melissa Flores, LMSW, MPH, Roberta Horton, LCSW, ACSW, Jillian Rose, LCSW, MPH

Validation of New Systemic Lupus Erythematosus Classification Criteria

Martin Aringer, MD, Karen H. Costenbader, MD, MPH, Ralph Brinks, MD, Dimitrios Boumpas, MD, FACP, David Daikh, MD, PhD, David Jayne, MD, Diane L. Kamen, MD, MSCR, Marta Mosca, MD, PhD, Rosalind Ramsey-Goldman, MD, PhD, Josef S. Smolen, MD, David Wofsy, MD, Betty Diamond, MD, Søren Jacobsen, MD, W. Joseph McCune, MD, Guillermo Ruiz-Irastorza, MD, PhD, Matthias Schneider, MD, PhD, Murray Urowitz, MD, George Bertsias, MD, PhD, Bimba Hoyer, MD, PhD, Nicolai Leuchten, MD, Chiara Tani, MD, PhD, Sara K. Tedeschi, MD, MPH, Zahi Touma, MD, PhD, Branimir Anic, MD, PhD, Florence Assan, MD, Tak Mao Chan, MBBS, MD, Ann E. Clarke, MD, MSc, Mary K. Crow, MD, László Cziráj, MD, PhD, Andrea Doria, MD, Winfried Graninger, MD, PhD, Bernadett Halda-Kiss, MD, Sarfaraz A. Hasni, MD, Peter M. Izmirly, MD, Michelle Jung, MD, Gabor Kumanovics, MD, PhD, Xavier Mariette, MD, PhD, Ivan Padjen, MD, JM Pego-Reigosa, MD, Juanita Romero-Díaz, MD, MS, Iñigo Rúa-Figueroa, MD, Raphael Seror, MD, Georg Stummvoll, MD, Yoshiya Tanaka, MD, PhD, Maria Tektonidou, MD, PhD, Carlos Vasconcelos, MD, PhD, Edward M. Vital, MD, Daniel J. Wallace, MD, FACP, FACR, Sule Yavuz, MD, PHD, Raymond P. Naden, MB, ChB, FRACP, Thomas Dörner, MD, PhD, Sindhu Johnson, MD, PhD, FRCPC

POSTER PRESENTATIONS

A Weighty Diagnosis: Weight Change and Risk Factors in Early Juvenile Systemic Lupus Erythematosus

Erin Treemarcki, DO, Jackie Szymonifka, MA, Alexa B. Adams, MD, Nancy Pan, MD, Sarah Taber, MD, Karen B. Onel, MD

Association of Omeract Core Domains of Pain and Function with Patient Satisfaction After Total Joint Replacement

Susan M. Goodman, MD, Bella Mehta, MBBS, Lisa A. Mandl, MD, MPH, Jackie Szymonifka, MA, Mark P. Figgie, MD, Iris Navarro-Millán, MD, MSPH, Mathias P.G. Bostrom, MD, Douglas E. Padgett, MD, Alexander S. McLawhorn, MD, MBA, Stephen Lyman, PhD, Jasvinder A. Singh, MD

Characteristics of Metabolic Syndrome in Men and Women with Early Rheumatoid Arthritis

Bindee Kuriya, MD, MSc, Orit Schieir, PhD, Marie-France Valois, PhD, Janet E. Pope, MD, MPH, Gilles Boire, MD, MSc, Louis Bessette, MD, MPH, Carter Thorne, MD, Diane Tin, BSc Pharm, Carol A. Hitchon, MD, Glen Hazlewood, MD, PhD, Susan J. Bartlett, PhD, Edward C. Keystone, MD, Vivian P. Bykerk, MD, Lillian Barra, MD, MPH

Characterizing Palindromic Symptoms in Early Rheumatoid Arthritis: Results From the Canadian Early Arthritis Cohort Study

Leah Ellingwood, Orit Schieir, PhD, Susan J. Bartlett, PhD, Louis Bessette, MD, Carol A. Hitchon, MD, Gilles Boire, MD, MSc, Glen Hazlewood, MD, PhD, Edward C. Keystone, MD, Diane Tin, BSc Pharm, Carter Thorne, MD, Vivian P. Bykerk, MD, Janet E. Pope, MD, MPH

Clinical and Laboratory Characteristics of Persistently Antiphospholipid Antibody Positive Patients: Retrospective Results From Antiphospholipid Syndrome Alliance for Clinical Trials and International Networking (APS ACTION) Clinical Database and Repository (“Registry”)

Ecem Sevim, MD, Diane F. Zisa, MD, Danieli Andrade, MD, PhD, Vittorio Pengo, MD, Maria G. Tektonidou, MD, Amaia Ugarte, MD, Maria Gerosa, MD, Lanlan Ji, MD, Maria Efthymiou, MD, Guilherme Ramires de Jesus, MD, D. Ware Branch, MD, Cecilia Nalli, MD, Savino Scaiscia, MD, H. Michael Belmont, MD, Paul R. Fortin, MD, MPH, Michelle Petri, MD, MPH, Esther Rodriguez, MD, Guillermo Pons-Estel, MD, Jason S. Knight, MD, PhD, Rohan Willis, MD, Tatsuya Atsumi, MD, Maria Laura Bertolaccini, MD, PhD, Doruk Erkan, MD, MPH, Medha Barbhaiya, MD, MPH, on Behalf of APS ACTION

Combining Observational and Randomized Controlled Trial Data Evidence to Jointly Estimate Remission and Response for Biologic and Non-Biologic Therapies in Rheumatoid Arthritis: A Bivariate Network Meta-Analysis

Gyanendra Pokharel, PhD, Rob Deardon, PhD, Cheryl Barnabe, MD, MSc, Vivian P. Bykerk, MD, Susan J. Bartlett, PhD, Louis Bessette, MD, Gilles Boire, MD, MSc, Carol A. Hitchon, MD, Edward C. Keystone, MD, Janet E. Pope, MD, MPH, Diane Tin, BSc Pharm, Carter Thorne, MD, Glen Hazlewood, MD, PhD

Complications Following Total Knee Arthroplasty in Inflammatory Versus Osteoarthritis

Shawn Richardson, MD, William Schairer, MD, Cynthia Kahlenberg, MD, Peter K. Sculco, MD, Thomas P. Sculco, MD, Linda A. Russell, MD, Susan M. Goodman, MD, Mark P. Figgie, MD

Current Management of Early Diffuse Cutaneous Systemic Sclerosis in US Scleroderma Centers

Rebecca B. Blank, MD, PhD, Jessica K. Gordon, MD, MS, Jackie Szymonifka, MA, Shervin Assassi, MD, MS, Elana J. Bernstein, MD, MSc, Flavia V. Castelino, MD, Robyn T. Domsic, MD, Faye N. Hant, DO, Monique Hinchcliff, MD, MS, Kate Homer, MM, Ami A. Shah, MD, MHS, Victoria Shanmugam, MBBS, MRCP, Virginia D. Steen, MD, Tracy M. Frech, MD, MS, Dinesh Khanna, MD, MS

Development of New International Classification Criteria for Antiphospholipid Syndrome: Phase II Item Reduction Survey

Medha Barbhaiya, MD, MPH, Stephane Zuily, MD, MPH, PhD, Yasaman Ahmadzadeh, MD, Ray Naden, MD, Karen H. Costenbader, MD, MPH, Doruk Erkan, MD, MPH, on Behalf of the Antiphospholipid Syndrome Classification Criteria Steering Committee

Diagnosing Prosthetic Joint Infections in Patients with Inflammatory Arthritis

Serene Mirza, BS, Shawn Richardson, MD, Cynthia Kahlenberg, MD, Jason L. Blevins, MD, Charles Lautenbach, MD, Michelle Demetres, MLIS, Lily Martin, MLIS, Jackie Szymonifka, MA, Peter K. Sculco, MD, Mark P. Figgie, MD, Susan M. Goodman, MD

Effects of Baseline Prednisone Dose on Remission and Disease Flare in Patients with Giant Cell Arteritis Treated with Tocilizumab in a Phase 3 Randomized Controlled Trial

John H. Stone, MD, MPH, Katie Tuckwell, PhD, Sophie Dimonaco, MSc, Micki Klearman, MD, Martin Aringer, MD, Daniel Blockmans, MD, PhD, Elisabeth Brouwer, MD, PhD, Maria C. Cid, MD, Bhaskar Dasgupta, MB, BS, MD, Juergen Rech, MD, Carlo Salvarani, MD, Hendrik Schulze-Koops MD, PhD, Georg Schett, MD, Robert F. Spiera, MD, Sebastian Unizony, MD, Neil Collinson, PhD

Efficacy and Safety from a Phase 2b Trial of SM04690, a Novel Intra-Articular, Wnt Pathway Inhibitor for the Treatment of Osteoarthritis of the Knee

Yusuf Yazici, MD, Timothy E. McAlindon, MD, MPH, Allan Gibofsky, MD, Nancy E. Lane, MD, Christian Lattermann, MD, Nebojsa Skrepnik, MD, PhD, Christopher J. Swearingen, PhD, Anita DiFrancesco, Jeymi Tambiah, MD, MBChB, Marc C. Hochberg, MD

Efficacy and Safety of Abatacept in Combination with MTX in Early, MTX-Naïve, Anti-Citrullinated Protein Antibody-Positive Patients with RA: Primary and 1-Year Results From a Phase IIIb Study

Prof Paul Emery, Yoshiya Tanaka, MD, PhD, Vivian P. Bykerk, MD, Prof dr. Tom W.J. Huizinga, Gustavo Citera, MD, Marleen Nys, Sean E. Connolly, Alyssa Johnsen, MD, PhD, Roy Fleischmann, MD

Engaging Patients and Parents to Improve Mental Health for Youth with Rheumatic Disease

Oluwatumise Fawole, Michelle Vickery, Lauren Faust, Tamar Rubinstein, MD, Julia Harris, MD, Aimee Hersh, MD, Karen B. Onel, MD, Erica Lawson, MD, Emily von Scheven, MD, Kaveh Ardalani, MD, Esi Morgan, MD, Anne Paul, Judith Barlin, Paola Daly, MHS, Mitali Dave, MS, MBA, Shannon Malloy, Shari Hume, Suzanne Schrandt, JD, Laura Marrow, Angela Chapson, Donna Napoli, Michael Napoli, Miranda Moyer, Rachel Adamski, Vincent Delgaizo, Martha Rodriguez, MD, Andrea Knight, MD, for the CARRA Investigators

Fibrin Deposition and Neutrophil Infiltration of Rheumatoid Arthritis Synovium Are Associated with Duration of Morning Stiffness

Dana Orange, MD, Caroline Jiang, Edward F. DiCarlo, MD, Tania Pannellini, MD, PhD, Laura T. Donlin, PhD, Serene Z. Mirza, Mark P. Figgie, MD, Vivian P. Bykerk, MD, Ana-Maria Orbai, MD, MHS, Sarah Mackie, Susan M. Goodman, MD

Flow Cytometric Assessment of the Mammalian Target of Rapamycin Pathway Using Antiphospholipid Syndrome As a Disease Model

Ariel Badger, MS, Ecem Sevim, MD, Oral Alpan, MD, Doruk Erkan, MD, MPH

High Baseline Serum IL-6 Identifies a Subgroup of Rheumatoid Arthritis Patients with Rapid Joint Damage and Clinical Progression and Predicts Increased Sarilumab Treatment Response

Anita Boyapati, PhD, Jérôme Msihid, MD, MSc, Sergio Schwartzman, MD, Ernest Choy, MB, BCh, MD, FRCP, Mark C. Genovese, MD, Gerd R. Burmester, MD, PhD, Gordon K. Lam, MD, Toshio Kimura, PhD, Jonathan Sadeh, MD, MSc, George D. Yancopoulos, MD, PhD, Neil M. H. Graham, MBBS, MD, MPH, FAFPHM

HLA Contributions to Risk and Protection for Anti-Centromere Autoantibody-Positive Scleroderma

Elaine F. Remmers, PhD, Theresa Alexander, MS, Maureen D. Mayes, MD, MPH, Nadia D. Morgan, MBBS, MHS, Ami A. Shah, MD, MHS, Adebawale Adeyemo, MD, Ayo Doumatey, PhD, Amy Bentley, PhD, Daniel Shriner, PhD, Settara C. Chandrasekharappa, PhD, Mary Carns, MS, Lorinda Chung, MD, MS, Lindsey A. Criswell, MD, MPH, Chris T. Derk, MD, MS, Robyn T. Domsic, MD, MPH, Heather Gladue, DO, Avram Goldberg, MD, Jessica K. Gordon, MD, MS, Vivien Hsu, MD, Reem Jan, MBBS, Dinesh Khanna, MD, Thomas A. Medsger Jr., MD, Paula S. Ramos, PhD, Marcin A. Trojanowski, MD, Lesley A. Saketkoo, MD, MPH, Elena Schiopu, MD, Victoria K. Shanmugam, MBBS, MRCP, Benjamin Korman, MD, Brynn Kron, S. Louis Bridges Jr., MD, PhD, Kathleen D. Kolstad, MD, PhD, Elana J. Bernstein, MD, MS, Suzanne Kafaja, MD, Kathleen M. Maksimowicz-McKinnon, DO, Richard M. Silver, MD, Virginia D. Steen, MD, John Varga, MD, Charles Rotimi, PhD, Francesco Boin, MD, Fredrick M. Wigley, MD, Daniel L. Kastner, MD, PhD, Pravitt Gourh, MD

How Consistently Do Publications Define SLE? A Systematic Review

Linjia Jia, BA, Ecem Sevim, MD, Lisa R. Sammaritano, MD, Natalie Rosenwasser, MD, Doruk Erkan, MD, MPH, Kyriakos A. Kirou, MD, Medha Barbhaiya, MD, MPH, Michael D. Lockshin, MD

Inflammatory Arthritis DMARD Adverse Effects Are Pervasive and Can Greatly Impact Quality of Life and Work and Social Roles: Initial Results From the Omeract Safety Working Group

Kathleen M. Andersen, BSc, Ayano Kelly, MD, Anne Lyddiatt, MD, Clifton O. Bingham, III, MD, Vivian P. Bykerk, MD, Marita Cross, MD, Adena Batterman, LCSW, Joan Westreich, LCSW-R, Lyn March, MB, PhD, Michelle Jones, BSc, Beverly Shea, BSc, Peter Tugwell, MD, Peter Brooks, MD, Lee S. Simon, MD, Robin Christensen, PhD, Susan J. Bartlett, PhD

Inflectra and Remicade Use and Cost in Canada Under Provincial Drug Plans in 2016

Cristiano S. Moura, MD, Denis Choquette, MD, Gilles Boire, MD, MSc, Vivian P. Bykerk, MD, Carter Thorne, MD, Walter P. Maksymowych, MD, Peter Lakatos, MD, PhD, Talat Bessissow, MD, Larry Svenson, PhD, Laura Targownik, MD, Waqqas Afif, MD, MSc, Sasha Bernatsky, MD, PhD

Integrated Safety Analysis Across Phase 3 Clinical Studies Including the Controlled and Uncontrolled Periods for Intravenous Golimumab in Rheumatoid Arthritis, Psoriatic Arthritis, and Ankylosing Spondylitis

Arthur Kavanaugh, MD, Atul A. Deodhar, MD, MRCP, FACP, FACR, Sergio Schwartzman, MD, Shelly Kafka, MD, Soumya D. Chakravarty, MD, PhD, FACP, FACR, Elizabeth C. Hsia, MD, MS, Diane D. Harrison, MD, MPH, Jocelyn Leu, PhD, Yiyang Zhou, PhD, Kim Hung Lo, PhD, M. Elaine Husni, MD, MPH

Is Frailty Associated with Worse Outcomes After Total Joint Replacements?

Lisa A. Mandl, MD, MPH, Charles N. Cornell, MD, Michael B. Cross, MD, Alejandro Gonzalez Della Valle, MD, Mark P. Figgie, MD, Seth A. Jerabek, MD, Justin T. Do, Mayu Sasaki, MPH, PMP, Nathaniel Hupert, MD, Jackie Szymonifka, MA, Steven K. Magid, MD

Laser Capture Microdissection to Interrogate B Cells in RA Synovial Tissue

Javier Rangel-Moreno, PhD, Nida Meednu, PhD, Andrew McDavid, PhD, Linda Callahan, PhD, Verda Thomas, PhD, Jennifer Albrecht, PhD, Edward DiCarlo, MD, Dana Orange, MD, Susan M. Goodman, MD, Laura T. Donlin, PhD, Jennifer Anolik, MD

Low Density Granulocytes in Idiopathic Inflammatory Myopathy

David R. Fernandez, MD, Linjia Jia, BA, Mikhail Olfieriev, MD, Annel Fernandez, BA, Kerri Merritt, BA, Michael D. Lockshin, MD, Mary K. Crow, MD

Mammalian Target of Rapamycin (mTOR) Pathway Assessment in Antiphospholipid Antibody Positive Patients with Livedo Reticularis/racemosa

Ecem Sevim, MD, Salma Siddique, MD, Susan Chyou, BA, William D. Shipman, PhD, Ines Eugenio-Fernandez, Ariel Badger, MS, Orla O`Shea, MA, Stephane Zuily, MD, PhD, Joanna Harp, MD, Cynthia Magro, MD, Oral Alpan, MD, Theresa T. Lu, MD, PhD, Doruk Erkan, MD, MPH

Outcomes One Year After Hip Fracture Repair in the Elderly: Does Social Isolation Matter?

Lisa A. Mandl, MD, MPH, Serena Lian, Jackie Szymonifka, MA, Kirsten Grueter, RN, Aidan Hadad, MD, Joseph M. Lane, MD

Participation in American Football Is Associated with Increased Risk for Knee Pain and Osteoarthritis: Data From the Osteoarthritis Initiative

Grace H. Lo, MD, Timothy E. McAlindon, MD, Andrea Kriska, PhD, Lori Lyn Price, MAS, Bonny J. Rockette-Wagner, PhD, Lisa A. Mandl, MD, MPH, Charles B. Eaton, MD, Marc C. Hochberg, MD, Rebecca D. Jackson, MD, C. Kent Kwoh, MD, Michael C. Nevitt, MD, Jeffrey Driban, MD

Patient-Level Factors Associated with Hospital Readmission Among Patients with Systemic Sclerosis Associated Pulmonary Hypertension

Kimberly Showalter, MD, Laura Pinheiro, PhD MPH, Jacki Szymonifka, MA, Irina Sobol, MD, Virginia D. Steen, MD, Jessica K. Gordon, MD, MS

Patterns of Medication Use in a Validated Cohort of Psoriatic Arthritis (PsA) Patients

Madeline Epsten, Lisa A. Mandl, MD, MPH, Jackie Szymonifka, MA, Sergio Schwartzman, MD

Perspectives of Patients with Inflammatory Arthritis Regarding Cardiovascular Risk: A Qualitative Study

Iris Navarro-Millán, MD, MSPH, Sarah R. Young, PhD, LMSW, Sally Shurbaji, MPH, MSW, Chastity McDavid, PhD, MPH, Anna Cornelius-Schechter, BA, Bernadette Johnson, BS, Andrea L. Cherrington, MD, MPH, Liana Fraenkel, MD, MPH, Jeffrey R. Curtis, MD, MS, MPH, Monika M. Safford, MD

Pilot Study of Characterizing Rheumatoid Arthritis Related Morning Stiffness

Nino Mikaberidze, MD, Ogonna Nwawka, MD, Michael A. McNamara, BSc, Arlene Hurley, Vivian P. Bykerk, MD, Dana Orange, MD

Possible Association of Early Inflammatory Arthritis with Viral Outbreaks Such As Influenza: Time Series Analysis of the Canadian Early Inflammatory Arthritis Cohort

Fatima Kudaeva, MD, MSc, Mark Speechley, PhD, Neil Klar, PhD, Orit Schieir, PhD, Susan J. Bartlett, PhD, Louis Bessette, MD, MSc, Gilles Boire, MD, MSc, Glen Hazlewood, MD, PhD, Carol A. Hitchon, MD, MSc, Edward C. Keystone, MD, Diane Tin, BSc Pharm, Carter Thorne, MD, Vivian P. Bykerk, MD, Janet E. Pope, MD, MPH

Pregnancy Outcomes of Antiphospholipid Antibody Positive Patients: Prospective Results From Antiphospholipid Syndrome Alliance for Clinical Trials and International Networking (APS ACTION) Clinical Database and Repository ("Registry")

Ecem Sevim, MD, Danieli Andrade, MD, PhD, Alessandra Banzato, MD, Maria Tektonidou, MD, Amaia Ugarte, MD, Cecilia Chighizola, MD, PhD, Lanlan Ji, MD, D. Ware Branch, MD, Guilherme Ramires de Jesus, MD, Laura Andreoli, MD, PhD, Michelle Petri, MD, MPH, Ricard Cervera, MD, PhD, FRCP, Jason S. Knight, MD, PhD, Tatsuya Atsumi, MD, Doruk Erkan, MD, MPH, on Behalf of APS ACTION

Preliminary Population-Based Incidence and Prevalence Estimates of Primary Discoid Lupus and Cutaneous Lupus Erythematosus From the Manhattan Lupus Surveillance Program

Peter M. Izmirly, MD, MSc, Jill P. Buyon, MD, Isabella Wan, MD, MPH, H. Michael Belmont, MD, Sara Sahl, MD, MPH,

Jane E. Salmon, MD, Anca Askanase, MD, MPH, Joan M. Bathon, MD, Laura Geraldino-Pardilla, MD, MSc, Yousaf Ali, MD, Ellen M. Ginzler, MD, MPH, Chaim Putterman, MD, Caroline Gordon, MD, Charles G. Helmick, MD, Hilary Parton, MPH

Progressive Skin Fibrosis, Internal Organ Involvement and All-Cause Mortality in an Early Diffuse Cutaneous Systemic Sclerosis United States Multicenter Registry

Kate Homer, MM, Benjamin Brennan, Shervin Assassi, MD, Elana Bernstein, MD, MSs, Flavia Castelino, MD, Robyn Domsic, MD, MPH, Jessica K. Gordon, MD, MS, Faye Hant, DO, Monique Hinchcliff, MD, Ami Shah, MD, MHS, Victoria K. Shanmugam, MBBS, MRCP, Virginia Steen, MD, Veronica J. Berrocal, PhD, Melanie Hemmrich, MD, MSc, Tracy Frech, MD, MS, Dinesh Khanna, MD, MS

Promis Pain Interference 6b and Fatigue 7a Short Forms and Profile-29 in Rheumatoid Arthritis Patients Treated with TNF Inhibitors

Clifton O. Bingham III, MD, Sergio Schwartzman, MD, Shelly Kafka, MD, Dennis Parenti, MD, Shawn Black, PhD, Stephen Xu, MS, Wayne Langholff, PhD, Jeffrey R. Curtis, MD, MPH

Racial Disparities in Total Knee Replacement Failure Are Not Explained By Poverty

Anne R. Bass, MD, Jackie Szymonifka, MA, Bella Mehta, MBBS, Stephen Lyman, PhD, Emily Ying Lai, Michael L. Parks, MD, Mark P. Figgie, MD, Lisa A. Mandl, MD, MPH, Susan M. Goodman, MD

Real World Evidence Describing Infliximab Utilization Patterns in Rheumatoid Arthritis Patients in Community Rheumatology Practices in the United States: Implications for Cost Efficiencies?

Sergio Schwartzman, MD, Dennis Parenti, MD, Shawn Black, PhD, Stephen Xu, MS, Wayne Langholff, PhD, Shelly Kafka, MD

Recurrent Thrombosis in Patients with Antiphospholipid Antibodies Following an Initial Venous or Arterial Thromboembolic Event

Tom Ortel, MD, PhD, Sreelatha Meleth, PhD, Diane Catellier, PhD, Mark Crowther, MD, MSc, FRCPC, Doruk Erkan, MD, MPH, Paul R. Fortin, MD, MPH, David Garcia, MD, Nana Haywood, MPH, Steven R. Levine, MD, Michael J. Phillips, MD, Nedra Whitehead, PhD

Research Priorities for Addressing Mental Health Needs of Pediatric Patients with Rheumatologic Disease

Tamar Rubinstein, MD, Lindsay Waqar, MPH, CCRC, Jennifer Woo, MD, Ekemini Ogbu, MD, W. Blaine Lapin MD, Lawrence Ng, Erin Treemarcki, DO, Andrea M. Knight, MD

Rheumatoid Arthritis Patients Have Lower Preoperative Expectations but Greater Clinical Improvement After Total Knee Arthroplasty Compared to Osteoarthritis Patients

Jason L. Blevins, MD, Yu-Fen Chiu, MS, Stephen Lyman, PhD, Susan M. Goodman, MD, Lisa A. Mandl, MD, MPH, Peter K. Sculco, MD, Mark P. Figgie, MD, Alexander S. McLawhorn, MD

Russell Bodies and Serological Status in Rheumatoid Arthritis

Michael A. McNamara, BSc, Susan M. Goodman, MD, Laura T. Donlin, PhD, Dana Orange, MD, Serene Z. Mirza, BSc, Jackie Szymonifka, MA, Mark P. Figgie, MD, Vivian P. Bykerk, MD, Edward F. DiCarlo, MD

Safety and Efficacy of Lenabasum in an Open-Label Extension of a Phase 2 Study in Diffuse Cutaneous Systemic Sclerosis Subjects

Robert F. Spiera, MD, Laura K. Hummers, MD, Lorinda Chung, MD, MS, Tracy M. Frech, MD, MS, Robyn T. Domsic, MD, MPH, Vivien M. Hsu, MD, Daniel E. Furst, MD, Jessica K. Gordon, MD, MS, Maureen D. Mayes, MD, MS, Robert W. Simms, MD, Elizabeth Lee, Nancy Dgetluck, Scott Constantine, Barbara White, MD

Scleroderma Renal Crisis: The Association of High-Dose Steroids and Poor Outcome

Nilasha Ghosh, MD, Xuan Cai, Cybele Ghossein, MD

Staphylococcus Aureus Carriage Rates Are High in Rheumatoid Arthritis Patients on Biologics

Susan M. Goodman, MD, Bo Shopsin, MD, Allina A. Nocon, PhD, MPH, Andy O. Miller, MD, Michael W. Henry, MD, Sarah E. Grond, BA, Elianna Kaplowitz, BA, Thomas P. Sculco, MD, Linda A. Russell, MD, Laura T. Donlin, PhD, Anne R. Bass, MD, Mark P. Figgie, MD, Peter K. Sculco, MD

Strong HLA and Novel Non-HLA Associations Identified by Auto-Antibody Subset Analysis of African Americans with Scleroderma From the Genome Research in African American Scleroderma Patients Cohort

Pravitt Gourh, MD, Elaine F. Remmers, PhD, Theresa Alexander, MS, Steven Boyden, PhD, Nadia D. Morgan, MBBS, MHS, Ami A. Shah, MD, MHS Maureen D. Mayes, MD, MPH, Ayo Doumatey, PhD, Amy Bentley, PhD, Daniel Shriner, PhD, Robyn T. Domsic, MD, Thomas A. Medsger Jr., Virginia D. Steen, MD, Paula S. Ramos, PhD, Rick Silver, MD, Benjamin D. Korman, John Varga, MD, Elena Schiopu, MD, Dinesh Khanna, MD, MS, Vivien Hsu, MD, Jessica K. Gordon, MD, MS, Lesley Ann Saketkoo, MD, MPH, Heather Gladue, DO, Brynn Kron, Lindsey A. Criswell, MD, MPH, Chris T. Derk, MD, MS, S. Louis Bridges Jr., MD, PhD, Victoria Shanmugam, MBBS, MRCP, Kathleen D. Kolstad, MD, PhD, Lorinda Chung, MD, MS,

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The Impact of Chronic Glucocorticoid Use Amongst Patients with Rheumatoid Arthritis: A Qualitative Study

Jonathan T.L. Cheah, MBBS, Sarah Young, PhD, Susan M. Goodman, MD, Catherine Hill, MBBS, Susan Beard, BMuS, Pamela Richards, HNC, Sarah Mackie, MBChB, Joanna Robson, MBBS, Iris Navarro-Millán, MD, MSPH

The Patient Global Assessment and Common Composite Disease Activity Measures Vary Minimally When Patients Reflect on Their Arthritis or Their Global Health: Results From the Canadian Early Arthritis Cohort Study

Vivian P. Bykerk, MD, Orit Schieir, PhD, Marie-France Valois, PhD, Edward C. Keystone, MD, Gilles Boire, MD, MSc, Janet E. Pope, MD, MPH, Diane Tin, BSc Pharm, Carol A. Hitchon, MD, Carter Thorne, MD, Susan J. Bartlett, PhD, Boulos Haraoui, MD

The Patient's Perspective of Glucocorticoid Use: A Systematic Literature Review of Quantitative and Qualitative Studies

Jonathan T.L. Cheah, MBBS, Joanna Robson, MBBS, Rachel Black, MBBS, Susan M. Goodman, MD, Susan Lester, BSc, Sarah Mackie, MBChB, Catherine Hill, MBBS

Total Knee Replacement Failure

Anne R. Bass, MD, Jackie Szymonifka, MA, Bella Mehta, MBBS, Stephen Lyman, PhD, Emily Lai, MS, Michael L. Parks, MD, Mark P. Figgie MD, Lisa A. Mandl, MD, MPH, Susan M. Goodman, MD

Vertebral Compression Fractures and Antibodies to Citrullinated Vimentin in Established Rheumatoid Arthritis

Jonathan T.L. Cheah, MBBS, John A. Carrino, MD, MPH, William Robinson, MD, Dana Orange, MD, Jackie Szymonifka, MA, Emily Stein, MD, Susan M. Goodman, MD

Views of Primary Care Physicians and Rheumatologists Regarding Screening and Management of Hyperlipidemia Among Patients with Rheumatoid Arthritis

Iris Navarro-Millán, MD, MSPH, Anna Cornelius-Schechter, BA, Ronan O'Beirne, EdD, Melanie S. Morris, MS, Susan M. Goodman, MD, Andrea L. Cherrington, MD, MPH, Liana Fraenkel, MD, MPH, Jeffrey R. Curtis, MD, MS, MPH, Monika M. Safford MD

STUDY GROUP

Developing Support and Education Programs for People with Rheumatic Illness

Adena Batterman, LCSW, Roberta Horton, LCSW, ACSW, Jillian Rose, LCSW, MPH, Joan Westreich, LCSW-R

Lupus, MCTD, UCTD and Overlap Disease: What Defines Diagnosis?

Michael D. Lockshin, MD

Reproductive Issues in Rheumatology

Lisa R. Sammaritano, MD

Honors

PRESIDENTIAL GOLD MEDAL

The highest award that the ACR can bestow, the Presidential Gold Medal is awarded in recognition of outstanding achievements in rheumatology over an entire career. Established by the past presidents of the ACR, candidates will have made important contributions in multiple areas such as clinical medicine, research, education, or administration. Funding support for this award of distinction is provided by the Rheumatology Research Foundation.



Mary (Peggy) K. Crow, MD, MACR

Mary K. Crow, MD was awarded the Presidential Gold Medal during the Opening Lecture and Awards at this year's ACR Conference in Chicago. She is only the second woman to ever receive this award. Dr. Crow is Physician-in-Chief and Chair of the

Department of Medicine at Hospital for Special Surgery and is Chief of the Division of Rheumatology at HSS and NewYork-Presbyterian/Weill Cornell Medical Center. Dr. Crow's academic and research career has focused on unraveling the cellular and molecular mechanisms that underlie the systemic autoimmune diseases, with a particular focus on systemic lupus erythematosus and rheumatoid arthritis.

2018 ACR DISTINGUISHED FELLOW AWARD

This award is given to clinical and research fellows who are nominated while in a rheumatology fellowship training program, in recognition of their meritorious performance throughout their training.



Bella Mehta, MBBS

Bella Mehta, MBBS has been selected as one of the recipients of the 2018 ACR Distinguished Fellow Award. Dr. Mehta completed a rheumatology fellowship in July 2018 and has joined the staff of HSS. She is actively involved as an investigator in

numerous clinical studies focusing on disparities in rheumatologic diseases.

2018 ARHP DISTINGUISHED EDUCATOR AWARD

This award is presented to an ARHP member who has demonstrated sustained excellence in the teaching of patients and students/trainees, including health professional students, medical students, residents, graduate students, and/or fellows, with their primary focus being rheumatology related content.



Jillian Rose, LCSW, MPH

Jillian Rose, LCSW, MPH has been selected as the recipient of the 2018 ARHP Distinguished Educator Award. Ms. Rose is Director of Community Engagement, Diversity and Research. In her role she develops lupus focused educational forums for patient, family,

and communities, particularly communities disproportionately affected by health disparities and provides educational training to health care professionals on the collection of SOGI (sexual orientation and gender identity) data, and treatment considerations, as it relates to providing culturally sensitive and inclusive care. Ms. Rose has served as principal and co-investigator on numerous rheumatology studies and volunteered with the ARHP in multiple leadership capacities.



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