Wisconsin Rheumatology Association

2018 ANNUAL MEETING
MARCH 16 - 17, 2018
The American Club Resort
Kohler, Wisconsin

PROGRAM BOOK

To access the WRA presentations, please scan the QR code or go to wi-rheum.org/2018presentations
Greetings Rheumatology Providers,

Welcome to the Wisconsin Rheumatology Association 2018 Annual Meeting at the American Club Resort in Kohler, Wisconsin! We continue our policy of bringing to you the very latest in scientific advances, and once again we have a terrific lineup of speakers scheduled, covering topics that are changing rheumatology practice.

A special treat this year will be a talk by Dr. Madelaine A. Feldman on the issue pertaining to Pharmacy Benefit Managers; which have become a cause for alarm due to increasing drug prices and interference with patients’ access to medications. You do NOT want to miss that. As you by now are accustomed to hearing, the advocacy sessions will keep you up-to-the-minute on important aspects of State and Federal health care policies. There has been a lot of movement on legislation designed to take back control of rheumatology to doctors. I’m excited for you to learn all about it.

There is something of interest for all providers of rheumatology care at this meeting. Included in this year’s scientific and clinical program will be talks on advances in the basic science of pain physiology and management, the very latest on clinical management of ankylosing spondylitis, and the current science of osteoarthritis. We will also hear talks on the latest in osteoporosis management and a practical introduction to a new model of practice organization in which rheumatologists can survive despite the discouraging reimbursement environment of today.

During your stay at Wisconsin’s premier resort, there will be excellent exhibits, a scrumptious Friday evening dinner, and social activities for you to enjoy.

I also encourage all of you to join the WRA, which has a one-time life membership fee of $75. Even rheumatologists can afford that! All rheumatology providers who are interested in the delivery of excellent rheumatology care, regardless of their length of training or educational degree, are encouraged to join the WRA.

During the meeting, I guarantee that clinic/office staff and providers at all levels of training will learn something that will help them improve the quality of care they deliver. Thank you for attending the WRA 2018 Annual Meeting!

Best Regards,

Daniel G. Malone, MD, RMSK, FACR
WRA President

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**WRA 2018 COMMITTEE LISTING**

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**VICE PRESIDENT**
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Kurt Oelke, MD
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**WRA BUSINESS OFFICE**
1100 E. Woodfield Road, Suite 350
Schaumburg, IL 60173

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Shaina Tromp
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**Mission Statement**
The Wisconsin Rheumatology Association (WRA) is an association of physicians, health professionals, and scientists who advance the practice of rheumatology through programs of education, research, advocacy and practice support. WRA fosters excellence in the care of people with or at risk for arthritis and rheumatic and musculoskeletal diseases.

**Disclaimer Statement**
Statements, opinions and results of studies contained in the program are those of the presenters/authors and do not reflect the policy or position of the WRA nor does the WRA provide any warranty as to their accuracy or reliability.

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**Filming/Photography Statement**
No attendee/visitor at the WRA 2018 Annual Meeting may record, film, tape, photograph, interview, or use any other such media during any presentation, display, or exhibit without the express, advance approval of the WRA Executive Director. This policy applies to all WRA members, non-members, guests, and exhibitors, as well as members of the print, online or broadcast media.
EDUCATIONAL NEEDS:
The scientific program of the 2018 meeting of the Wisconsin Rheumatology Association is intended to educate our members on recent scientific advances in rheumatologic disorders. These scientific lectures include updates on axial spondyloarthritis, osteoarthritis and the role of crystals, the science of chronic pain and fibromyalgia, osteoporosis and sessions on advocacy and PBMs.

These sessions will cover several areas of ongoing scientific advancement in this field of rheumatology. They are intended to educate our members and give them more updated knowledge so that they can deliver state-of-the-art care to their patients. Advances in these areas in rheumatology are moving quickly, and it is difficult for practicing rheumatologists to keep up with the latest science. These sessions will serve to provide the needed updates in these arenas.

EDUCATIONAL OBJECTIVES:
At the conclusion of the WRA 2018 Annual Meeting attendees will be able to:

1. Describe the classification criteria for axial spondyloarthritis and able to apply them to patients with both clinical and imaging findings suggestive of this diagnosis.
2. Identify the treatment options available for patients with axial spondyloarthritis and explain how to select appropriate therapy for specific patients.
3. Explain the epidemiology of crystals as they relate to osteoarthritis.
4. Describe the current state of knowledge about crystal formation in the joint.
5. Identify the destructive properties of crystals in osteoarthritis.
6. Explain what a Pharmacy Benefit Manager is and its role in the drug supply chain.
7. Recognize why we have step edits and non medical switching.
8. Describe the rebate system and its effect on patients access to the correct medicine at an affordable price.
9. Identify the underlying mechanisms responsible for chronic pain.
10. Identify the most effective pharmacological treatments for pain based on mechanism.
11. Determine the optimal manner to incorporate nonpharmacological treatment of pain into clinical practice.
12. Discuss the advantages to a rheumatology clinic by utilizing nursing assessments which may not require the complex decision making offered by the rheumatologist.
14. Identify interventions to minimize or prevent declines in bone mineral density/strength after completing a course of teriparatide or denosumab.
15. Describe mechanism of action, efficacy and potential side effects of romosozumab and abaloparatide.
16. Describe the various levels of participation in Medicare and what those levels of participation mean for physicians and patients.
17. Explain the reasons for physicians choosing to opt out of Medicare.
18. Outline the required procedures for opting out of Medicare with step by step instructions.
19. Discuss the impact of opting out on physician practices and techniques for surviving opting out.
20. Identify how to become active on social media and to use it to promote access, privacy and the traditional doctor patient relationship.

ACCREDITATION:
CONTINUING MEDICAL EDUCATION CREDIT INFORMATION
Accreditation
This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American College of Surgeons and the Wisconsin Rheumatology Association. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™
The American College of Surgeons designates this live activity for a maximum of 6.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses and other healthcare professionals will receive a Certificate of Attendance. For information on the applicability and acceptance of Certificates of Attendance for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by the ACCME, please consult your professional licensing board.

General Disclaimer
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Disclosure Report
In compliance with the ACCME Accreditation Criteria, the American College of Surgeons, as the accredited provider of this activity, must ensure that anyone in a position to control the content of the educational activity has disclosed all relevant financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation.

The disclosure report for this meeting can be found in the materials provided to you at registration.

Special Assistance
We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you. Call (847) 517-7225 if you require special assistance to fully participate in the meeting.
All sessions will be located in Lake Superior unless otherwise noted. Speakers and times are subject to change.

### FRIDAY, MARCH 16, 2018

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>4:30 p.m. - 8:00 p.m.</td>
<td>Registration/Information Desk Hours</td>
<td>Great Lakes Foyer</td>
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<tr>
<td>6:00 p.m. - 8:00 p.m.</td>
<td>Exhibit Hall Hours</td>
<td>Lake Michigan/Ontario/Erie</td>
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<tr>
<td>6:30 p.m. - 8:00 p.m.</td>
<td>Welcome Reception in Exhibit Hall</td>
<td>Lake Michigan/Ontario/Erie</td>
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<tr>
<td>8:00 p.m. - 9:30 p.m.</td>
<td>WRA Annual Dinner</td>
<td>Wisconsin Room</td>
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### SATURDAY, MARCH 17, 2018 (CONTINUED)

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<tr>
<td>9:45 a.m. - 10:00 a.m.</td>
<td>Q&amp;A Session</td>
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<td>10:00 a.m. - 10:30 a.m.</td>
<td>The Most Important Player in the Prescription Drug Market You Never Knew Existed</td>
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<td></td>
<td>Madelaine A. Feldman, MD, FACS</td>
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<td>CSRO, Vice President</td>
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<tr>
<td>10:30 a.m. - 11:15 a.m.</td>
<td>Break &amp; Networking in Exhibit Hall</td>
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<td>Location: Lake Michigan/Ontario/Erie</td>
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<tr>
<td>11:15 a.m. - 12:00 p.m.</td>
<td>Understanding the Causes and Most Effective Treatments for Chronic Pain</td>
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<td>Daniel J. Clauw, MD</td>
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<td>University of Michigan Health System</td>
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<td>12:00 p.m. - 12:30 p.m.</td>
<td>Advocacy/Practice Management Update Lecture</td>
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<td>Tim L. Bartholow, MD</td>
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<tr>
<td>12:30 p.m. - 1:30 p.m.</td>
<td>Industry Satellite Symposium Lunch</td>
<td>Lake Huron</td>
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<td>1:30 p.m. - 2:15 p.m.</td>
<td>Osteoporosis: Where Are We Now and Where Are We Going?</td>
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<td>Karen E. Hansen, MD, MS</td>
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<td>University of Wisconsin</td>
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<td>2:15 p.m. - 3:00 p.m.</td>
<td>Opting Out of Medicare</td>
<td>Summit Arthritis &amp; Infusion</td>
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<td>Ellen W. McKnight, MD</td>
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<tr>
<td>3:00 p.m. - 3:15 p.m.</td>
<td>Annual Business Meeting</td>
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<td>3:15 p.m.</td>
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### SATURDAY, MARCH 17, 2018

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<td>Exhibit Hall Hours</td>
<td>Lake Michigan/Ontario/Erie</td>
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<tr>
<td>7:30 a.m. - 8:30 a.m.</td>
<td>Industry Satellite Symposium Breakfast</td>
<td>Lake Huron</td>
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### GENERAL SESSION

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<tr>
<td>5:00 p.m. - 5:15 p.m.</td>
<td>Opening Remarks</td>
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<td></td>
<td>Daniel G. Malone, MD, RMSK, FACS</td>
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<td>WRA President</td>
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<tr>
<td>5:15 p.m. - 6:15 p.m.</td>
<td>Non-Radiographic Axial Spondyloarthritis: A Clinical Perspective</td>
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<td>Eric M. Ruderman, MD</td>
<td>Northwestern University</td>
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<tr>
<td>6:15 p.m. - 6:30 p.m.</td>
<td>Q&amp;A Session</td>
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<tr>
<td>8:00 p.m. - 9:30 p.m.</td>
<td>WRA Annual Dinner</td>
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<td>Opening Remarks</td>
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<td>WRA President</td>
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<tr>
<td>8:45 a.m. - 9:45 a.m.</td>
<td>Osteoarthritis and the Crystals</td>
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<td>Ann K. Rosenthal, MD</td>
<td>Medical College of Wisconsin</td>
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### Disclaimer Statement

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Daniel G. Malone, MD, RMSK, FACP
WRA President

Dr. Malone started his college education at Cornell University in Ithaca, New York, earning a Bachelor of Arts in Physics and later earning his Medical Degree from the University of Illinois, Abraham Lincoln School of Medicine, Chicago, Illinois in 1976. He is currently the Clinical Associate Professor of Medicine—Rheumatology, Medical College of Wisconsin in Milwaukee, Wisconsin.

In addition to being the President and member of the Wisconsin Rheumatology Association, he is also a member of the American College of Rheumatology, the American Institute for Ultrasound in Medicine, the International Society for Clinical Densitometry and the American Registry of Diagnostic Medical Sonographers.

Dr. Malone currently lives in Madison, Wisconsin, with his wife, Ann Elizabeth Malone, and four children.

Tim L. Bartholow, MD

Dr. Bartholow is the VP and first Chief Medical Officer at WEA Trust. Before joining the Trust, Dr. Bartholow served as the Wisconsin Medical Society’s Chief Medical Officer for five years. In this role, he focused on physician and community engagement to promote change in the delivery and payment of health care. Prior to joining the Society staff in November 2008, Dr. Bartholow spent 16 years caring for patients at the Prairie Clinic in Sauk City, Wis., where he was one of 12 clinical owners and on EMR since 2003. He believes that organized and carefully articulated physician feedback is essential for systems to serve the goal of best care. In the late 1990s, he served as medical director for an independent physician association with 2 sided risk with more than 400 primary care providers, a precursor to ACOs.

Daniel J. Clauw, MD

Dr. Clauw is a Professor of Anesthesiology, Medicine and Psychiatry at the University of Michigan. He attended undergrad and medical school at Michigan, and then did his internal medicine residency and rheumatology fellowships at Georgetown University, where he eventually held roles including Chief of Rheumatology and Vice Chair of Medicine. While at Georgetown he assembled an interdisciplinary team who began to study the central nervous system contributions to a number of chronic pain disorders, including fibromyalgia, interstitial cystitis, low back pain, and Gulf War Illnesses. This group of investigators, the Chronic Pain and Fatigue Research Center (CPFRC), moved to the University of Michigan in 2002. In addition to bringing this group to the University of Michigan, Dr. Clauw was also asked to lead the meager existing clinical research infrastructure serving UM at that time. With strong support from UM leadership he helped grow clinical and translational research infrastructure dramatically, becoming the first Assistant and then Associate Dean for Clinical Research, and the first PI of the University of Michigan Clinical and Translational Sciences Award (UM CTSA) and founding director of the unit at Michigan that supports translational research – the Michigan Institute for Clinical and Health Research (MICHR). Although he stepped down from these institutional leadership roles in 2009, he remains very active in institutional and departmental translational research training programs, and is a very active and recognized mentor of clinical and translational researchers.

Madelaine A. Feldman, MD, FACP

Dr. Feldman is the founding member and past president of the Rheumatology Alliance of Louisiana, vice-president of the Coalition of State Rheumatology Organizations, (CSRO), board liaison to the Association of Women in Rheumatology and recently served on the insurance subcommittee for the ACR. She is the Chair of the Alliance for Safe Biologic Medicines. She is also a member of the biologic working group for the Alliance for Patient Access. A Clinical Associate Professor of Medicine at Tulane University School of Medicine she has been named one of the Top Doctors in New Orleans for over 10 years. She was awarded the Distinguished Service Award this year by the Tulane Medical Alumni association and named one of the 2017 top 50 women in New Orleans by New Orleans City Business.

Karen E. Hansen, MD, MS

Dr. Hansen is an Associate Professor in the Divisions of Rheumatology and Endocrinology at the University of Wisconsin School of Medicine & Public Health. Most of her time is spent as a clinical researcher focusing on multiple aspects of osteoporosis. She has completed clinical trials investigating changes in fractional intestinal calcium absorption with treatment of vitamin D insufficiency, use of proton pump inhibitors and use of aromatase inhibitors in women with early stage breast cancer. Dr. Hansen recently completed a single center, randomized double-blind placebo-controlled trial to evaluate the effects of low and high dose vitamin D on calcium absorption, bone mineral density and muscle fitness in postmenopausal women with vitamin D insufficiency. Work in glucocorticoid induced osteoporosis included co-authorship of the recent American College of Rheumatology guidelines, and a systematic review and meta-analysis on the effects of glucocorticoid therapy in children. Dr. Hansen will focus her talk on care gaps in osteoporosis, opportunities to close those care gaps, and new medications recently developed to treat osteoporosis.

Ellen W. McKnight, MD

Dr. McKnight has practiced independently since 1993, initially with a group and now in a solo practice. She remains committed to the independent practice of medicine and to the preservation of our cherished profession. A native of New Orleans, Dr. McKnight received her MD from Louisiana State University Medical Center. She completed her residency in Internal Medicine and her fellowship in Rheumatology at the Ochsner Foundation Hospital in New Orleans. Initial board certification in Internal Medicine and Rheumatology was by American Board of Internal Medicine.

Her current certification is maintained with the National Board of Physicians and Surgeons. Dr. McKnight is the 2017 President-Elect of the Escambia County Medical Society and is serving on the Florida Medical Association Council of Legislation. Her leadership as delegate to the FMA House of Delegates in 2014, 2015, and 2016 was crucial in securing the successful passage of resolutions opposing MOC and in support of private contracting.
Ann K. Rosenthal, MD
Dr. Rosenthal received her MD from John Hopkins University School of Medicine and completed a residency in Internal Medicine at the University of Rochester. She received her Rheumatology training at the Medical College of Wisconsin. Her primary research interests are in calcium pyrophosphate deposition disease and osteoarthritis. Dr. Rosenthal is a Professor of Medicine in the Division of Rheumatology and has been the Chief of Rheumatology since July, 2012. She is also the Vice Chair for Faculty Development in the Department of Medicine and Medical Director of the Zablocki VA Translational Research Center. Dr. Rosenthal maintains an active clinical practice, is a fellow of the American College of Physicians and is a winner of several teaching awards.

Eric M. Ruderman, MD
Dr. Ruderman received his undergraduate degree in English literature from Princeton University and his medical degree from the Albert Einstein College of Medicine. After a residency in internal medicine at the Hospital of the University of Pennsylvania, he completed a rheumatology fellowship at Brigham and Women’s Hospital, with a concurrent research fellowship at the Harvard School of Public Health. He joined the faculty at Northwestern University in 2000, where he is currently a professor of medicine and clinical practice director of the rheumatology clinic. His primary responsibilities include patient care, fellowship teaching, clinical administration, and management of clinical trials in rheumatoid arthritis and other forms of inflammatory arthritis. He also co-directs a cooperative clinic for the management of psoriasis and psoriatic arthritis.

Dr. Ruderman has served as principal investigator on over 50 clinical trials, and he is involved in several projects that link clinical practice and the research agenda in the rheumatology clinic. In addition to his research efforts, he serves as a vice-chair of Northwestern University’s institutional review board. He is the immediate past-chair of the Communications and Marketing Committee of the American College of Rheumatology and a co-editor of their Hotline newsletter. Dr. Ruderman is the associate editor for the rheumatoid arthritis section of Journal of Rheumatology.
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PEOPLE. PASSION. POSSIBILITIES.
REGISTRATION/INFORMATION DESK HOURS
Location: Great Lakes Foyer
Friday, March 16, 2018 4:30 p.m. - 8:00 p.m.
Saturday, March 17, 2018 7:30 a.m. - 3:30 p.m.

EXHIBIT HALL HOURS
Location: Lake Michigan/Ontario/Erie
Friday, March 16, 2018 6:00 p.m. - 8:00 p.m.
Saturday, March 17, 2018 8:00 a.m. - 11:30 a.m.

EVENING FUNCTIONS

WELCOME RECEPTION
Date: Friday, March 16, 2018
Time: 6:30 p.m. - 8:00 p.m.
Location: Lake Michigan/Ontario/Erie
Attire: Business Casual
WRA welcomes its members to the 2018 Annual Meeting. Attendees can connect with fellow WRA members and mingle with exhibitors while enjoying appetizers and drinks. Spouse/guest(s) are welcome, but require pre-registration on the registration form.

WRA ANNUAL DINNER
Date: Friday, March 16, 2018
Time: 8:00 p.m. - 9:30 p.m.
Location: Wisconsin Room
Attire: Business Casual
The Annual Dinner is complimentary but requires RSVP as space is limited. Additionally, one spouse or guest is welcome, but require pre-registration on the registration form.

SAVE THE DATE!
Wisconsin Rheumatology Association
2019 ANNUAL MEETING
March 8 - 9, 2019
The American Club Resort
Kohler, Wisconsin
A world free from immune and inflammatory diseases. That’s our vision.

At Janssen, we like to dream big. And our hope for immune and inflammatory diseases is no exception.

Through science and collaboration, we look to transform how diseases like rheumatoid arthritis, Crohn’s disease, plaque psoriasis and asthma are treated today—and prevented tomorrow.

We dream of a future free of the pain and challenges for the one in 10 people worldwide living with these diseases. We are relentless in our pursuit of advancing science and delivering breakthrough medicines to make a difference in their lives.

But bringing forward new solutions isn’t enough. We want to shorten the journey from diagnosis to treatment. And through our education and access programs, we’re here to help forge that path.

We are Janssen. We collaborate with the world for the health of everyone in it.

Learn more at www.janssen.com
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Exhibit Guide
Wisconsin Rheumatology Association
2018 Annual Meeting
At Amgen, we believe that the answers to medicine’s most pressing questions are written in the language of our DNA. As pioneers in biotechnology, we use our deep understanding of that language to create vital medicines that address the unmet needs of patients fighting serious illness – to dramatically improve their lives.

For more information about Amgen, our pioneering science and our vital medicines, visit www.amgen.com

Amgen is a proud sponsor of the Wisconsin Rheumatology Association Annual Meeting.
INDUSTRY SPONSORED SYMPOSIUM EVENTS

SATURDAY, MARCH 17, 2018
7:30 a.m. - 8:30 a.m.

Industry Satellite Symposium Breakfast
*Location: Lake Huron*

Sponsored by: Alexion Pharmaceuticals

“Diagnosing Hypophosphatasia (HPP): The Significance of Low Alkaline Phosphatase (ALP) and its Consequences”
Chad Deal, MD
Head of the Center for Osteoporosis and Metabolic Bone Disease, Cleveland Clinic
Cleveland, OH

SATURDAY, MARCH 17, 2018
12:30 p.m. - 1:30 p.m.

Industry Satellite Symposium Lunch
*Location: Lake Huron*

Sponsored by: Bristol-Myers Squibb

“Biomarkers and Risk of Erosive Rheumatoid Arthritis”
Elliot D. Rosenstein, MD
Overlook Medical Center
Summit, NJ
FOCUSED ON DEVELOPING SPECIALTY TREATMENTS for debilitating diseases that are often difficult to diagnose and treat, providing hope to patients and their families.

Proud to Sponsor the Wisconsin Rheumatology Association Annual Meeting
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