



MUSCULOSKELETAL RESEARCH CENTER

<http://musculoskeletalcore.wustl.edu>

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2016 Musculoskeletal WINTER SYMPOSIUM

Save the Date!
FEBRUARY 24, 2016

Just In Time program

The deadline is quickly approaching for the Just in Time (JIT) program ! Deadline for submission is September 14, 2015. Applicants may apply for up to \$3,000 to support use of the MRC Cores. Please visit our website for more information and to download application form:

<http://www.musculoskeletalcore.wustl.edu/content/Core/3035/A-Administrative>

Skeletal Biology & Pathophysiology Mini-Course

Fridays @ 9am | BJCIIH Bldg. | 11th flr | A/B Conf. Rm.

DATE	SPEAKER
8/14	Regis O'Keefe, MD, PhD "Osteoarthritis" <i>Orthopaedic Surgery</i>
8/21	Matthew Silva, PhD "Fracture Repair" <i>Orthopaedic Surgery</i>
8/28	Roberta Faccio, PhD "Bone-Tumor Interactions" <i>Orthopaedic Surgery</i>
9/04	Steven Teitelbaum, MD "Diabetes and Bone" <i>Pathology & Immunology</i>
9/11	Simon Tang, PhD "Intervertebral Disc Pathobiology" <i>Orthopaedic Surgery</i>
9/18	Naga Yalla, MD "Human Osteoporosis" <i>Bone & Mineral Diseases</i>
9/25	Yousef Abu-Amer, PhD "Inflammatory and Periprosthetic <i>Orthopaedic Surgery</i> <i>Osteolysis</i> "

Please remember to include reference to support from the Musculoskeletal Research Center in your abstracts and publications.

Cite Grant # P30AR057235

from the National Institute Of Arthritis And Musculoskeletal And Skin Diseases.

Member Research Highlight

Biologic Therapeutics Center Fosters Collaboration, Innovation and Bench-to-Bed Research



The Biologic Therapeutics Center's Research & Administrative Team (L to R): Janice Burch, Felipe Alves Morais, Elena Kashentseva, Igor Dmitriev, Maurizio Buggio, David T. Curiel (Director), Sergey Kaliberov, Lyudmila Kaliberova, Slava Kler, Liz van Erp, Hideo Ugai, Will Everett, and Cynthia Marich.

Established by David T. Curiel, MD, PhD, professor of radiation oncology in 2011, the Biologic Therapeutics Center (BTC) continues to drive an important initiative which has been established to foster and catalyze with others the translational ethos here at WUSM, bringing curative therapies more rapidly from the laboratory to the clinic. This is embodied in both the research and educational mission of the center.

The BTC recently hosted the International Society for the Cell and Gene Therapy of Cancer (ISCGT) Annual Meeting in Amsterdam, The Netherlands (<http://btc.wustl.edu/iscgt14/indexopen.html>). This meeting focused on the most cutting-edge discoveries in translational development of molecular therapeutics and diagnostics for cancer.

Keynote speakers included US Ambassador to the Netherlands, Timothy Broas, and two Stand Up to Cancer Dream Team Awardees, Drs. Hans Clevers and Ton Schumacher.

Based on the evidence that companion dogs suffer cancer and chronic diseases just as humans, Dr. Curiel and his collaborators are engineering viruses in his WUSM laboratory for use in companion canine clinical trials now underway at Auburn University. This is a promising new development in the growing area of comparative, or "One Health" medicine. As result of these linkages, better therapies and new strategies for treating and preventing both human and canine cancers have emerged. This research was featured in the Spring issue of Outlook magazine (<http://outlook.wustl.edu/2015/apr/shared-medicine>).

Looking ahead, the BTC seeks to formally establish the university's first One Health Center, based on the emerging concept of "One Health," and focusing on the health linkages among humans, animals, and their shared environments with a focus on the area of comparative clinical oncology in humans and companion canines.



ISCGT Annual Meeting in Amsterdam (L to R): Drs. Geert Kazemier, David T. Curiel, and US Ambassador to the Netherlands, Timothy Broas.

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