We would like to extend our gratitude to the Arizona Biomedical Research Centre for their support of this research symposium.

Breakout Session Guide

Pharmacogenomics in Transplant Medicine Prescribing (Room 507)
Steven Curry, MD, Director Medical Toxicology, BUMC-P, Co-Director Division of Clinical Data Analytics and Decision Support, COM-P

Pharmacogenomics in psychiatric treatment of adults and pediatrics (Room 607)
Will Heise, MD, Faculty, Division of Clinical Data Analytics and Decision Support, COM-P

Using informatics to translate genomic knowledge into clinical care (Room 113)
Hamed Abbaszadegan, MD, Chief Informatics Officer, Phoenix VA, Informatics Fellowship Director, COM-P

The ethical considerations of genomic and precision medicine (Room 707)
David Beyda, PhD, Chair and Professor, Department of Bioethics and Medical Humanism University of Arizona College of Medicine-Phoenix

Precision medicine in cardiology and the application for management of QT prolonging drugs (Room 807)
Ray Woosley, MD, PhD, Co-Director Division of Clinical Data Analytics and Decision Support, COM-P, Founding President and Member of the Board, AZCERT

Precision medicine in cancer care (Room 112)

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of The University of Arizona College of Medicine - Tucson and The University of Arizona College of Medicine - Phoenix. The University of Arizona College of Medicine – Tucson is accredited by the ACCME to provide continuing medical education for physicians.

The University of Arizona College of Medicine – Tucson designates this live activity for a maximum of 6.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Nursing Education Information: Contact hours available. University of Arizona Continuing Professional Education is an approved provider of continuing nursing education by the Continuing Nursing Education Group, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

All Faculty, CME Planning Committee Members, and the CME Office Reviewers have disclosed that they do not have any relevant financial relationships with commercial interests that would constitute a conflict of interest concerning this CME activity.

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Agenda

7:30 – 8:00 a.m.     Breakfast and Registration

8:00 – 8:15 a.m.     Welcome and Opening Remarks: Guy Reed, MD, MS
Dean, UA College of Medicine - Phoenix

8:15 – 9:15 a.m.     Keynote Speaker: Gabriela Repetto, MD
Director of the Center for Genetics and Genomics at Universidad del Desarrollo

9:15-9:45 a.m.     All of Us Program at University of Arizona: Kenneth Ramos, MD, PhD
AVP for Precision Health Sciences, Executive Director, Center for Applied Genetics and Genomic Medicine, UAHS

9:45 - 10:00 a.m.    Break

10:00 – 11:00 a.m.  Keynote Speaker: Bruce Korf, MD
Wayne H. and Sara Crews Finley Chair in Medical Genetics, Chief Genomics Officer, UAB Medicine, Co-Director, UAB-Hudson Alpha Center for Genomic Medicine, Associate Director for Rare Diseases, Hugh Kaul Personalized Medicine Institute

11:00– 12:00 a.m. Panel Discussion
Clinical and Research Applications of Precision Medicine
Moderator:
Kenneth Ramos, MD, PhD
Panelists:
Gabriella Repetto, MD
Bruce Korf, MD
David Gregornik, BA, BS, PharmD, BCOP

12:00-1:00 p.m.     Lunch Break

1:00 - 1:45 p.m.    Division of Clinical Data Analytics and Decision Support
Speakers:
Steven Curry, MD
Tyler Gallo, PharmD

1:45 - 2:15 p.m.    Breakout session 1 (see guide)

2:15 - 3:00 p.m.    Afternoon Break

2:30 - 3:00 p.m.    Breakout session 2 (see guide)

3:00 - 3:45 p.m.    Pharmacogenomics Review Session: Tyler Gallo, PharmD

3:45 - 4:00 p.m.    Closing Remarks: Ray Woosley MD, and Steven Curry MD
Co-Directors, Division of Clinical Data Analytics and Decision Support

Keynote Speakers

Gabriela Repetto, MD
Dr. Repetto is a clinical geneticist the Director of the Program for Rare and Undiagnosed Disorders at Facultad de Medicina, Clinica Alemana in Santiago, Chile, a multidisciplinary program addressing clinical, molecular, and public policy issues of children with these conditions. She is the current President of the Chilean Genetics Society (2018-2019), and is a member of the Steering Committee of the Global Genomic Medicine Consortium. She works in research, clinical practice, teaching and outreach on genetics and genomics implementation in the health care system in Chile. She obtained her MD degree from P Universidad Católica de Chile, did her Pediatrics residency at the University of Wisconsin-Madison and Genetics fellowship at Children’s Hospital, Boston.

Bruce Korf, MD
Bruce R. Korf, M.D., PhD.  Dr. Korf is the Chief Genomics Officer, UAB Medicine, Wayne H. and Sara Crews Finley Endowed Chair in Medical Genetics, Professor of Genetics, Co-Director of the UAB-HudsonAlpha Center for Genomic Medicine, Associate Director for Rare Diseases, Hugh Kaul Personalized Medicine Institute and editor-in-chief of the American Journal of Human Genetics. He is a medical geneticist, pediatrician, and child neurologist, certified by the American Board of Medical Genetics and Genomics (clinical genetics, clinical cytogengenetics, and clinical molecular genetics), American Board of Pediatrics, and American Board of Psychiatry and Neurology (child neurology). Dr. Korf is past president of the Association of Professors of Human and Medical Genetics, past president of the American College of Medical Genetics and Genomics, and current president of the ACMG Foundation for Genetic and Genomic Medicine. His major research interests are molecular diagnosis of genetic disorders and the natural history, genetics, and treatment of neurofibromatosis. He serves as principal investigator of the Department of Defense funded Neurofibromatosis Clinical Trials Consortium, the Alabama Genomic Health Initiative, and the Southern All of Us Network.

Symposium Objectives

At the end of this symposium attendees will be able to:
Understand the basics of current pharmacogenetic research.
Explain the potential benefits of pharmacogenetic testing in clinical care.
Identify conditions or prescribed medications that would make a patient more likely to benefit from pharmacogenetic testing.
Recognize when a patient may benefit from pharmacogenetic testing, specifically preemptive testing.

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