Arkansas Bioinformatics Consortium (AR-BIC)
2016 Annual Conference
Exploring the Role of Bioinformatics in Precision Medicine
Embassy Suites, Little Rock – Ambassador I - III
AGENDA

	Sunday, April 17th 2016
5:00pm - 6:00pm	Registration
5:30pm – 9:00pm	Poster Session
6:00pm – 9:00pm	Reception (Sponsored by Arkansas Research Alliance)

	Monday, April 18th 2016
8:30am – 9:00am	Light Breakfast
9:00am – 9:30am	Welcome Remarks and Opening • Jerry B. Adams, President and CEO, Arkansas Research Alliance, Conway, AR • William Slikker, Jr., Ph.D., Director, National Center for Toxicological Research, US Food and Drug Administration, Jefferson, AR • Dan Rahn, M.D., Chancellor, University of Arkansas for Medical Sciences, Little Rock, AR
	Session 1: Bioinformatics based technologies for precision medicine Session Chair: Weida Tong, Ph.D., Director, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research, Jefferson, AR
9:30am –10:15am	**Precision Medicine: Challenges and Limitations** Christos Hatzis, Ph.D., Assistant Professor of Medicine, Director of Bioinformatics, Breast Medical Oncology, Yale Comprehensive Cancer Center, New Haven, CT
10:15am – 10:45am	Break
10:45am – 11:30am	**Imaging Informatics: Adding Dimensions to Co-Clinical Trials** Fred Prior, Ph.D., Inaugural chair of the Department of Biomedical Informatics, University of Arkansas for Medical Sciences, Little Rock, AR
11:30am – 12:15pm	**Establishing the New Molecular Bioinformatics Core (mBIO)** Daniel L. Johnson, Ph.D., Director of Molecular Bioinformatics, University of Tennessee Health Science Center (UTHSC), Memphis, TN
12:15pm – 1:00pm	Lunch break
	Session 2: Non-Invasive Liquid Biopsy for Cancer Diagnosis and Prognosis: FDA BAA Project overview & biological background Session Chair : Donald Johann, MS, MD, FACP, Associate Professor of Medicine and Bioinformatics, Scientific Director of the UAMS Genomics Sequencing Facility, Little Rock, AR

Time	Session
1:00pm – 1:45pm	**Scientific and methodological advancements in liquid biopsies to further the development of lung cancer-based precision medicine** Donald Johann, MS, MD, FACP, Associate Professor of Medicine and Bioinformatics, Scientific Director of the UAMS Genomics Sequencing Facility, Little Rock, AR
1:45pm – 2:15pm	**Lung Cancer and the new Rx landscape** Konstantinos Arnaoutakis, M.D., Associate Professor, Department of Internal Medicine, Hematologist, Winthrop P. Rockefeller Cancer Institute, UAMS, Little Rock, AR
2:15pm – 2:45pm	**ccfDNA: the basics, challenges and potential clinical applications** Wenming Xiao, Ph.D., Staff Scientist, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research, US Food and Drug Administration, Jefferson, AR
2:45pm – 3:00pm	Break
	Session 3: Pipeline & computational approaches Session Chair : Donald Johann, MS, MD, FACP, Associate Professor of Medicine and Bioinformatics, Scientific Director of the UAMS Genomics Sequencing Facility, Little Rock, AR
3:00pm – 3:30pm	**DNA-based computational approaches** Xiuzhen Huang, Ph.D., Professor of Computer Science, Arkansas State University, Jonesboro, AR
3:30pm – 4:00pm	**RNA-based computational approaches** Mary Yang, Ph.D., Associate Professor, University of Arkansas at Little Rock, Little Rock, AR
4:00pm – 4:30pm	**DNA methylation analysis & computational approaches** Karl Walker, Ph.D., Assistant Professor, University of Arkansas at Pine Bluff, Pine Bluff, AR
4:30pm – 4:45pm	**Closing Remarks** • Weida Tong, Ph.D., Director, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research, Jefferson, AR • Jerry B. Adams, President and CEO, Arkansas Research Alliance, Conway, AR

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