AR-BIC 2015 Conference Program

Statehouse Convention Center, Caraway Room

Wednesday, March 11, 2015

5:00 – 9:00 PM	Registration desk open
5:00 – 9:00 PM	Poster session
5:00 – 9:00 PM	Welcome RECEPTION – *Sponsored by the Arkansas Research Alliance*

Thursday, March 12, 2015

7:00 – 8:00 AM   BREAKFAST – *Sponsored by UAMS, College of Medicine*
7:00 AM – 12:00 PM   Registration desk open

8:00 – 8:30 AM   **Welcome and Introductory remarks**
Jerry Adams, CEO, Arkansas Research Alliance
Daniel Rahn, M.D., Chancellor, University of Arkansas for Medical Sciences

Opening Remarks – A Brief History of Arkansas Bioinformatics Consortium
William Slikker, Jr., Ph.D., Director of National Center for Toxicological
        Research, US Food and Drug Administration

8:30 – 10:15 AM   **SESSION 1: Bioinformatics and Precision Medicine –
        A Medical School Experience**
Session Chair: Charlotte Hobbs, M.D., Ph.D. (UAMS)

8:30 – 8:50 AM   **Pediatric Personalized Medicine**
Bradley Schaefer, M.D., Director, Division of Genetics, College of Medicine
        UAMS; Section Chief of Genetics and Metabolism in the College of
        Medicine's Dept. of Pediatrics and AR Children's Hospital

8:50 – 10:15 AM   Panel: **Bioinformatics in an Academic Medical Center**

8:50 – 9:10 AM   Gareth Morgan, M.D., FRCP, FRCPath, Ph.D., Director, Myeloma Institute;
        Deputy Director, Rockefeller Cancer Institute, UAMS

9:10 – 9:30 AM   Don Johann, Jr., M.S., M.S., Associate Professor of Medicine and Biomedical
        Informatics, UAMS; Director Informatics – Myeloma Institute

9:30 – 9:50 AM   Mathias Brochhausen, Ph.D., Assistant Professor of the Division of Biomedical
        Informatics, UAMS

9:50 – 10:15 AM	Final Questions
10:15 – 10:30 AM	BREAK – *Sponsored by University of Arkansas at Little Rock*

10:30AM – 12:00PM   SESSION 2: Bioinformatics in FDA and Advancing Regulatory Science
Session Chairs: William Slikker, Jr., Ph.D., and Weida Tong, Ph.D., NCTR

10:30 – 11:00 AM   Bioinformatics at NCTR
Weida Tong, Ph.D., Director, Division of Bioinformatics and Biostatistics,
NCTR, US Food and Drug Administration

11:00 – 11:20 AM   Systems biology for lymphoma subtyping and biomarker identification
Wenming Xiao, Ph.D., Division of Bioinformatics and Biostatistics, NCTR,
US Food and Drug Administration

11:20 – 11:40 AM   FDA Label Database – A rich resource for study of adverse drug reactions in advancing regulatory science
Hong Fang, Ph.D., Office of Coordination, NCTR, US Food and Drug
Administration

11:40AM – 12:00 PM Bioinformatics needs in translational proteomics and metabolomics studies
Richard Beger, Ph.D., Director, Biomarkers and Alternative Models Branch,
NCTR, US Food and Drug Administration

12:00 – 1:00 PM	LUNCH – *Sponsored by Arkansas Biosciences Institute*

1:00 – 2:30 PM   SESSION 3: State-wide bioinformatics Activities and Resources
Session Chairs: Rick McMullen, Ph.D., and Cynthia L. Sagers, Ph.D. (UAF)

1:00 – 1:20 PM   Bioinformatics projects in the cell and molecular biology program at the University of Arkansas
Douglas Duane Rhoads, Ph.D., Professor, UAF

1:20 – 1:40 PM   Analysis of transcription factor expression level changes using NextGen data
Karl Walker, Ph.D., Assistant Professor, University of Arkansas at Pine Bluff

1:40 – 2:10 PM   New framework for molecular pattern discovery and cancer gene Identification
Daniel Johnson, Ph.D. Candidate, Arkansas State University

2:10 – 2:30 PM   Neuromodulation: A joint UALR-UAMS response to the BRAIN initiative
Keith Bush, Ph.D., University of Arkansas at Little Rock

2:30 – 3:00 PM	BREAK – *Sponsored by Arkansas Biosciences Institute*

3:00 – 4:30 PM   SESSION 4: State Resources in Training and Education for Bioinformatics
Session Chairs: Malathi Srivatsan, Ph.D., ASU, and Mary Yang, Ph.D., UALR

3:00 – 3:15 PM   Educational measures in bioinformatics at A-State
Malathi Srivatsan, Ph.lD., Director of Molecular Biosciences Graduate Program
and Professor of Neurobiology, Arkansas State Unviersity

3:15 – 3:30 PM	**New initiative in UAMS for biomedical informatics program**
	Charlotte Hobbs, M.D., Ph.D., Pamela D. Stephens Professor and Section Chief of Birth Defects Research, Department of Pediatrics, College of Medicine, UAMS
3:30 – 4:00 PM	**The joint UALR/UAMS bioinformatics program: 13 years of success stories in Bioinformatics**
	Cesar Compadre, Ph.D., Professor, Dept. of Pharmaceutical Sciences, UAMS
	Mary Yang, Ph.D., Associate Professor of Informatics Science, UALR, and Director of the joint UALR/UAMS Bioinformatics Program
4:00 – 4:30 PM	**Discussion**
4:30 – 5:00 PM	**SESSION 5: Panel Discussion: Future AR-BIC Opportunities**
	Session Moderator: William Slikker, Jr., Ph.D., NCTR
	Weida Tong, Ph.D., Director, Division of Bioinformatics and Biostatics, NCTR/FDA
	Charlotte Hobbs, M.D., Ph.D., Pamela D. Stephens Professor and Section Chief of Birth Defects Research, Department of Pediatrics, College of Medicine, UAMS
	Rick McMullen, Ph.D., Former Director, Arkansas High Performance Computing Center, Research Professor of Computer Science, UAF