BUILDing SCHOLARS at Rice University
May 31–August 4, 2017

An intensive ten-week summer undergraduate research experience
• Conduct challenging summer laboratory research with one of six participating Rice faculty mentors

Dr. K. Jane Grande-Allen, Program Director
Isabel C. Cameron Professor of Bioengineering
Integrative Matrix Mechanics Laboratory
Engineering analysis to understand & fight heart valve disease

Dr. Loren Raun, Faculty Mentor
Faculty Fellow in Statistics
Ensor Raun Research Group
Environmental statistics, human health risk assessment, air, soil and ground water pollution fate and transport

Dr. Amina Ann Qutub, Faculty Mentor
Assistant Professor of Bioengineering
Systems Biology Laboratory
Integrating biological systems theory and design to characterize hypoxic response signaling and neurovascular dynamics
Invested Faculty Mentors

Dr. Laura Segatori, Faculty Mentor
T.N. Law Assistant Professor of Chemical & Biomolecular Engineering, Bioengineering, Biochemistry & Cell Biology
We develop innovative, system-level strategies based on the integration of chemical genomics, and synthetic and systems biology approaches aimed at identifying modulators of cellular quality control mechanisms with the ultimate goal to restore proteostasis.

Dr. Caleb Kemere, Faculty Mentor
Assistant Professor of Electrical & Computer Engineering, Bioengineering
Realtime Neural Engineering Lab
Designing systems to interact with complex neural circuits in vivo which enables the exploration of how information is processed, stored, and retrieved in both healthy brains and in models of human neurological diseases and disorders.

Dr. Daniel Wagner, Faculty Mentor
Associate Professor of BioSciences
Analysis of development of the zebrafish embryo to understand the genetic basis of cell differentiation and cell behavior
Professional Development

Connection with other undergraduate summer researchers for:
- Journal Clubs
- Discipline Specific Seminars
- Ethics & Responsible Conduct of Research Training
- Social Activities
- Culminating Summer Poster Symposium

One-on-One Guidance for:
- Information on Available Graduate Programs
- Choosing & Applying to Graduate School
- Recruitment to Graduate School
Application Information

Summers 2017, 2018, 2019:
Five BUILD Scholars will be selected

ROOM, BOARD & TRANSPORTATION PROVIDED