The goal of the Environmental Toxicology Group (ETOX) is to understand how environmental exposure leads to deaths and human diseases, as according to the World Health Organization, 25 percent of all deaths and total disease burden can be attributed to environmental factors.

| Li Fan, Ph.D. | Biochemistry |
| John Jefferson Perry, Ph.D. | Biochemistry |
| Yinsheng Wang, Ph.D. | Chemistry |
| Sika Zheng, Ph.D. | School of Medicine |
| Wenwan Zhong, Ph.D. | Chemistry |

The goal of the Data Science Center (DSC) at MRB1 is to become a catalyst for new research collaborations between faculty across many colleges. The DSC will enable better collaboration between experimental scientists and data scientists by better understanding and exploring data. The DSC aims to facilitate knowledge generation and new discoveries that will propel UCR into prominence.

| Ahmed Eldawy, Ph.D. | Computer Science and Engineering |
| Thomas Girke, Ph.D. | Bioinformatics |
| Eamonn Keogh, Ph.D. | Computer Science and Engineering |
| Stefano Lonardi, Ph.D. | Computer Science and Engineering |
| Wenxiu Ma, Ph.D. | Statistics |
| Bahram Mobasher, Ph.D. | Physics & Astronomy |
| Vagelis Papalexakis, Ph.D. | Computer Science and Engineering |
| Christian Shelton, Ph.D. | Computer Science and Engineering |
| Vassilis Tsotras, Ph.D. | Computer Science and Engineering |
| Jon Willits, Ph.D. | Psychology |
| Shuheng Zhou, Ph.D. | Statistics |
### Food, Bugs, Guts & Brains

The goals of the Food, Bugs, Guts & Brains team are to form a core of faculty expertise in animal models and microbiome-interactions; stimulate further interdisciplinary interactions between diet, the microbiome, behavior, neuroscience, computational sciences, and host-pathogen communities on campus; and promote interaction and collaborative research between related groups currently dispersed across campus.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Borneman, Ph.D.</td>
<td>Microbiology and Plant Pathology</td>
</tr>
<tr>
<td>Patrick Degnan, Ph.D.</td>
<td>Molecular Evolutionary Microbiology</td>
</tr>
<tr>
<td>Ansel Hsiao, Ph.D.</td>
<td>Microbiology and Plant Pathology</td>
</tr>
<tr>
<td>Joshua Morgan, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Frances Sladek, Ph.D.</td>
<td>CBNS/MCSB</td>
</tr>
</tbody>
</table>

### Imaging

The goal of the Imaging team is to bring together key imaging modalities and technologies within one building with development of new advances in imaging to keep and push UCR’s position among premier research institutions.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahman Anvari, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Devin Binder, MD, Ph.D.</td>
<td>Biomedical Science</td>
</tr>
<tr>
<td>Monica Carson, Ph.D.</td>
<td>Biomedical Science</td>
</tr>
<tr>
<td>Iryna Ethell, Ph.D.</td>
<td>Biomedical Science</td>
</tr>
<tr>
<td>Byron Ford, Ph.D.</td>
<td>Biomedical Science</td>
</tr>
<tr>
<td>Xiaoping Hu, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Hyle B. Park, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Megan Peters, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Aaron Seitz, Ph.D.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Emma Wilson, Ph.D.</td>
<td>Biomedical Science</td>
</tr>
</tbody>
</table>

* in alphabetical order
### Interdisciplinary Center for Quantitative Modeling in Biology (ICQMB)

The goal of the ICQMB team is to establish and develop interdisciplinary collaborations to understand in a quantitative and predictive way the complex patterns and organization that arise in living systems at space length scales from molecular to ecological and time scales from femtoseconds to years.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mark Alber, Ph.D.</td>
<td>Mathematics</td>
</tr>
<tr>
<td>John Barton, Ph.D.</td>
<td>Physics</td>
</tr>
<tr>
<td>Weitao Chen, Ph.D.</td>
<td>Mathematics</td>
</tr>
</tbody>
</table>

### Mind & Brain Health: Neuroinflammation, Neurotrauma and Neurodegeneration

The goal if this Neuroscience team is to take the first steps toward a strong multi-unit home base of neuroscience researchers facilitating the integration and initiation of high impact collaborative neuroscience research from all corners of our campus.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monica Carson, Ph.D.</td>
<td>Biomedical Sciences</td>
</tr>
<tr>
<td>Byron Ford, Ph.D.</td>
<td>Biomedical Sciences</td>
</tr>
<tr>
<td>Martin Garcia-Castro, Ph.D.</td>
<td>Biomedical Sciences</td>
</tr>
<tr>
<td>Sachiko Haga-Yamanaka, Ph.D.</td>
<td>Cell Biology and Neuroscience</td>
</tr>
<tr>
<td>Peter Hickmott, Ph.D.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Xiaoping Hu, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Edward Korzus, Ph.D.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Huinan Liu, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Hyle B. Park, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Khaleel Abdul Razak, Ph.D.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Martin Riccomagno, Ph.D.</td>
<td>Cell Biology and Neuroscience</td>
</tr>
<tr>
<td>Aaron Seitz, Ph.D.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Andrew Tapper, Ph.D.</td>
<td>School of Medicine</td>
</tr>
<tr>
<td>Seema Tiwari-Woodruff, Ph.D.</td>
<td>School of Medicine</td>
</tr>
<tr>
<td>Emma Wilson, Ph.D.</td>
<td>Biomedical Sciences</td>
</tr>
<tr>
<td>Hongdian Yang, Ph.D.</td>
<td>Cell Biology and Neuroscience</td>
</tr>
<tr>
<td>Edward Zagha, Ph.D.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Sika Zheng, Ph.D.</td>
<td>School of Medicine</td>
</tr>
</tbody>
</table>
To bring together a multidisciplinary group of UCR scientists who are interested in research on neurodevelopmental disorders (NDD) from 4 colleges (CHASS, SOM, CNAS and BCOE) and across complementary areas of expertise, including cell and molecular neuroscience, circuits, behaviors and innovative brain imaging technologies.

### Molecular, Circuit and Behavioral Mechanisms of Neurodevelopmental Disorders

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devin Binder, MD., Ph.D.</td>
<td>School of Medicine</td>
</tr>
<tr>
<td>Jun-Hyeong Cho, MD., Ph.D.</td>
<td>Cell Biology and Neuroscience</td>
</tr>
<tr>
<td>Iryna Ethell, Ph.D.</td>
<td>Biomedical Sciences</td>
</tr>
<tr>
<td>Peter Hickmott, Ph.D.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Hyle B. Park, Ph.D.</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Khaleel Abdul Razak, Ph.D.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Sika Zheng, Ph.D.</td>
<td>School of Medicine</td>
</tr>
</tbody>
</table>

### Systems Biology of Infectious Disease

The goal of the Systems Biology of Infectious Disease (SBID) team is to identify and analyze interactions of pathogens using a combination of approaches and techniques that include but are not limited to immunology of host-pathogen interaction, cellular, molecular, genetics, genomics, computer science, and statistics.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stefano Lonardi, Ph.D.</td>
<td>Computer Science and Engineering</td>
</tr>
<tr>
<td>Wenxiu Ma, Ph.D.</td>
<td>Statistics</td>
</tr>
<tr>
<td>Choukri Ben Mamoun, Ph.D.</td>
<td>School of Medicine (pending; expected arrival date: 01/01/2019)</td>
</tr>
<tr>
<td>Meera G. Nair, Ph.D.</td>
<td>Biomedical Sciences</td>
</tr>
<tr>
<td>Emma Wilson, Ph.D.</td>
<td>Biomedical Sciences</td>
</tr>
</tbody>
</table>