Postdoctoral Fellowship in Multicellular Engineered Living Systems (M-CELS) at the Carl R. Woese Institute for Genomic Biology, University of Illinois

Postdoctoral Fellowship in M-CELS

The Carl R. Woese Institute for Genomic Biology at the University of Illinois at Urbana-Champaign offers a fellowship for a truly exceptional young scholar who has completed their PhD within the last several years, and who is looking for a stimulating and supportive interdisciplinary environment to carry out independent and collaborative research. An IGB M-CELS Fellow will typically spend two or more years conducting research in one of the IGB themes. A personalized mentoring plan will be developed for each Fellow. Annual salary is $54,000, in addition to a $7,500 allowance.

The M-CELS Theme is a multi-disciplinary collaborative group that focuses on developing in silico, cellular, and artificial components for biocomputing and precision assembly of biomachinery, along with genomics and proteomics of M-CELS. Through a team-based approach spanning multiple disciplines, M-CELS works on a variety of projects that aim at constructing new and efficient pathways for solving real-world needs.

The Fellow will work collaboratively with multiple theme faculty members on projects that combine computational design and analysis, microfabrication and experimental validation of multicellular systems. The aim is to understand and leverage cellular emergence for engineering applications. The Fellow will also be expected to take a leadership role in organizing group events and in particular mentoring students and other junior members of the team.

Preference will be given to candidates with a background in cell physiology and engineering, cell genomics and proteomics, organoid assembly, bio-hybrid robotics. A track record of high impact peer-reviewed journal publications and excellent communication skills are required. Applicants should submit a CV, a research summary, and the names of three recommenders who can write letters on their behalf. This information should be sent to Professor Hyunjoon Kong (Theme Leader), at hjkong06@illinois.edu in advance of the closing date. The University of Illinois is an Affirmative Action/Equal Opportunity Employer. Visit www.igb.illinois.edu for additional information.

<u>Core Theme members</u>
Rashid Bashir, Bioengineering
Mattia Gazzola, Mechanical Science & Engineering
Martha Gillette, Molecular & Cell Biology
Hyunjoon Kong, Chemical & Biomolecular Engineering
Gabriel Popescu, Electrical & Computer Engineering
Taher Saif, Mechanical Science & Engineering