

Grand Challenges Initiative

2021 Postdoctoral Fellows Program

We are seeking applicants for our fifth cohort of postdoctoral teaching and research fellows. Fellows are outstanding early-career scientists and engineers who provide innovative teaching and mentorship to undergraduate students in our *Grand Challenges Initiative* (<http://www.chapman.edu/GCI>), as well as develop world-class independent research in collaboration with a member of the faculty.



Our Fellows Inspire & Empower Our Students

The *Grand Challenges Initiative* uses project-based learning to provide students with foundational skills in critical thinking, problem solving, communication and teamwork. We use evidence-based teaching practices to empower all of our students to be successful. Our fellows facilitate a 3-credit fall semester first-year undergraduate course, as well as a series of subsequent 1-credit project-based seminars. The *Grand Challenges Initiative* is a requirement for all students entering science and engineering majors at Chapman University. The program is dedicating to transforming diversity in science and engineering through equitable and inclusive teaching and mentorship.



Our Fellows Create Knowledge



Fellows collaborate with a faculty mentor in the Schmid College of Science and Technology or the Dale E. and Sarah Ann Fowler School of Engineering. They have access to work spaces, labs, and computing resources in the new Keck Center for Science & Engineering.

Our fellows publish in leading journals, present at major conferences, win major federal grants, and earn international awards.

We work with each fellow to create a personalized professional development plan that helps them reach their goals. We are dedicated to supporting personal and professional success of all of our fellows.

We pride ourselves on creating community among our postdoctoral fellows. Our fellows share an office, collaborate on research projects, and support one another.

Our Fellows Grow

A Sample of Professional Development Activities



**Teaching
Conferences**



**One-on-One Teaching
Evaluations**



**Group
Facilitation**



**Working with
the Media**



**Preparing Job
Applications**



**Writing for
Impact**



**Grant
Writing**



**Classroom
Improv**



**Project
Management**



**Interview
Skills**

Our Fellows Build Their Careers



Dr. Charlene McCord (2017 – 2019)
Assistant Professor of Marine Biology
California State University Dominguez Hills



Dr. Shana Welles (2017 – 2020)
Assistant Professor of Biology
Arizona Western College



Dr. Aaron Harrison (2018 – 2021)
Assistant Professor of Chemistry
Starting at Austin College

We Are Hiring

- We anticipate hiring at least 4 fellows from any field of study within science and engineering that is represented by our faculty.
- 1 year initial contract that can be extended to 3 years total on mutual agreement. Annual salary (\$60,000), full benefits and research stipend (\$5000). Approximately 70% research :: 30% teaching with a August 1, 2021 start date.
- No more than 5 years of previous postdoctoral experience.



Application Process

- Cover Letter
 - Must identify mentor with a primary appointment in Schmid College or Fowler School of Engineering.
- CV
- Teaching Philosophy, including knowledge/experience creating and equitable classroom environment (ca. 2 pages).
- Research Statement, including brief description of a conceptual, synthesis or review paper you would write with the faculty mentor (ca. 2 pages).
- Contact Information for three references
 - We only request letters from shortlisted candidates.

Due: February 22, 2021



Application Process

See the full description and apply:

[LINK HERE](#)

More information:

www.chapman.edu/gci

Send questions to:

Dr. Greg Goldsmith
Director of the Grand Challenges Initiative
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