

Grand Challenges Initiative Teaching and Research Fellows

The Schmid College of Science and Technology and Dale E. and Sarah Ann Fowler School of Engineering at Chapman University invite applications for their groundbreaking postdoctoral teaching and research fellows program. Appointments will begin in late summer 2019 for one year with up to two-years of extension contingent on performance. Fellows are outstanding early-career scientists who provide innovative teaching and mentorship to undergraduate students in our *Grand Challenges Initiative* (<http://www.chapman.edu/GCI>), as well as advance independent research in collaboration with a member of the faculty. Fellows are offered a competitive salary, benefits, research support, and personalized professional development in teaching and research.

Chapman University, located in the heart of Orange County, California, is an R2 institution now ranked #5 among western universities by *U.S. News and World Report*, and has gained national recognition for its commitment to excellence through innovative research and teaching. Science and engineering programs at Chapman University embody our commitment to interdisciplinarity, fostering an outstanding community of teacher-scholars across a broad range of undergraduate and graduate programs.

Qualifications

Postdoctoral Fellows must hold a Ph.D. or an equivalent of a doctoral degree by the beginning of employment at Chapman University. The doctorate or equivalent must have been awarded within the last five years and candidate must not have exceeded five years of prior postdoctoral experience.

Responsibilities

Fellows are responsible for teaching foundational coursework on critical thinking in the sciences, particularly with respect to mentoring first and second-year student teams applying critical thinking to solving problems of global importance. These problems range from removing plastics from the ocean to designing low-cost and open-source hardware capable of predicting critical medical conditions. The *Grand Challenges Initiative* has a new maker space dedicated to helping students turn their ideas into reality.

Contact Information

Candidates should submit the following electronically via Academic Jobs Online:

<https://academicjobsonline.org/ajo/jobs/13739>

- cover letter
- curriculum vitae
- teaching philosophy statement
- research statement
- Chapman faculty employment application
- names and contact information for three references

In the cover letter, the applicant should discuss their personal motivations and goals as they pertain to serving as a teacher and mentor in the *Grand Challenges Initiative*. The applicant must identify a prospective faculty mentor who holds a primary appointment in Schmid College or the Fowler School of Engineering and briefly describe the topic of a

conceptual, synthesis, or review paper that they would author in collaboration with their mentor. **We invite candidates from the fields of biology, biochemistry, chemistry, environmental science, math, physics, food science, computational science, computer science, data analytics, electrical engineering, and computer engineering.**

File review will commence on June 17, 2019 and will continue until the position is filled.

Questions can be addressed to the program director, Dr. Greg Goldsmith:
grandchallenges@chapman.edu

Successful completion of a background check is required for the final candidate.

Chapman University is an Equal Opportunity Employer committed to fostering a diverse and inclusive academic global community. The university is dedicated to enhancing diversity and inclusion in all aspects of recruitment and employment. All qualified applicants will receive consideration for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity, gender expression, national origin, ancestry, citizenship status, physical disability, mental disability, medical condition, military and veteran status, marital status, pregnancy, genetic information or any other characteristic protected by state or federal law. The university is committed to achieving a diverse faculty and staff and encourages members of underrepresented groups to apply. More information on diversity and inclusion at Chapman can be found at <http://www.chapman.edu/diversity/>.