


Stanford



Peter Dykstra

Ph.D. Student in Bioengineering, admitted Autumn 2015

 Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- NSF Fellow, National Science Foundation, Graduate Research Fellowship Program (2016)
- David K. Jordan Award, Warren College, UC San Diego (2015)
- Amgen Scholar, Amgen Foundation/UC San Diego (2014)
- Gayle G. Arnold Award for Best Scientific Paper, American Academy for Cerebral Palsy and Developmental Medicine (2013)
- Quarter Provost Honors, Warren College, UC San Diego (2012-2015)

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , BIOE-MS (2017)
- B.S., UC San Diego, La Jolla, CA , Bioengineering: Biotechnology (2015)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Student Representative (September 2011 - June 2015)
- Co-founder and Chief Editor (January 2014 - June 2015)
- Student Representative (February 2014 - June 2015)
- Discussion Leader (September 2014 - December 2014)
- Lead Staff Counselor (June 2011 - August 2012)

Teaching

COURSES

2017-18

- Clinical Needs and Technology: BIOE 301B (Win)

2016-17

- Clinical Needs and Technology: BIOE 301B (Win)

Professional

WORK EXPERIENCE

- Undergraduate Researcher - Muscle Physiology Lab, Departments of Bioengineering/Orthopaedic Surgery, UC San Diego (September 2012 - August 2015)

Publications

PUBLICATIONS

- **Reduced skeletal muscle satellite cell number alters muscle morphology after chronic stretch but allows limited serial sarcomere addition.** *Muscle & nerve*
Kinney, M. C., Dayanidhi, S., Dykstra, P. B., McCarthy, J. J., Peterson, C. A., Lieber, R. L.
2017; 55 (3): 384-92
- **Reduced satellite cell number in situ in muscular contractures from children with cerebral palsy** *JOURNAL OF ORTHOPAEDIC RESEARCH*
Dayanidhi, S., Dykstra, P. B., Lyubasyuk, V., McKay, B. R., Chambers, H. G., Lieber, R. L.
2015; 33 (7): 1039-1045

PRESENTATIONS

- A new device to facilitate the study of cell migration through biomaterials - UC San Diego Bioengineering Day (2015)