

Stephen Gruber

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EDUCATION

Aug 2021

University of Houston - Clear Lake

Houston, TX

Doctor of Education (Ed.D) – Curriculum and Instruction

Dissertation: Inquiry-Based Learning: Perceptions, Use, and Barriers for 6-12 Science Teachers

Dec 2004

University of Houston - Clear Lake

Houston, TX

Master of Science (MS) - Biology

Dissertation: The Afferent and Efferent Connections of the Cerebellar Corpus in the Atlantic Stingray, *Dasyatis sabina*.

May 2000

Texas A&M University at Galveston

Galveston, TX

Bachelor of Science (BS) - Marine Biology

TEACHING EXPERIENCE

Aug 2016 - Present

University of Houston Clear Lake - Houston, TX

Lecturer

- Developed and implemented course requirements for lectures and labs in the biological sciences
- Collaborated with other faculty to improve courses and further student learning
- Trained and mentored TA's and Adjunct faculty for Physiology and Anatomy Lab courses

Jun 2017 - Aug 2018

College of the Mainland - Texas City, TX

Adjunct Professor

- Developed and implemented course requirements for lectures and labs in the biological sciences
- Collaborated with other faculty to improve courses and further student learning
- Maintained supplies and organized stockroom for associated courses

Aug 2008 - Aug 2016

University of Houston Clear Lake - Houston, TX

Adjunct Professor

- Developed and implemented course requirements for lectures and labs in the biological sciences
- Collaborated with other faculty to improve courses and further student learning
- Maintained supplies and organized stockroom for associated courses

Aug 2011 - Aug 2016

Texas City Independent School District - Texas City, TX

High School Science Teacher

- Developed and implemented student lesson plans.
- Developed lecture and exam materials.
- Worked with other department members to improve student learning

Aug 2008 - Aug 2011

Sheldon Independent School District - Houston, TX

Middle School Science Teacher

- Developed and implemented student lesson plans.
- Developed lecture and exam materials.
- Worked with other department members to improve student learning

- Aug 2007 - Aug 2008 *Mesquite Independent School District - Mesquite, TX*
 Middle School Science Teacher
- Developed and implemented student lesson plans.
 - Developed lecture and exam materials.
 - Worked with other department members to improve student learning
- Jan 2007 - Dec 2007 *Collin College - Frisco, TX*
 Adjunct Professor
- Developed and implemented course requirements for lectures and labs in the biological sciences
 - Collaborated with other faculty to improve courses and further student learning
 - Maintained supplies and organized stockroom for associated courses

COURSES TAUGHT

- University
- Human Anatomy Lecture (BIOL 3373)
 - Human Anatomy Lab (BIOL 3173)
 - Human Physiology Lab (BIOL 4241)
 - Comparative Vertebrate Zoology (BIOL 2428)
 - Comparative Animal Physiology (BIOL 4434)
 - Microbiology Lab (BIOL 2121)
 - Biology I for Non-Majors Lecture & Lab (BIOL 1406)
- Secondary School
- AP Biology
 - Pre - AP Biology
 - Chemistry
 - Physics
 - 8th Grade Science
 - 7th Grade Science

SERVICE EXPERIENCE - UNIVERSITY

- Aug 2017- Present **University of Houston - Clear Lake**
 Animal Care and Use Committee – Alternate Member
- Aug 2017 - Present **University of Houston - Clear Lake**
 UTeach Development Committee - Member
- Aug 2020 - Present **University of Houston - Clear Lake**
 Scholarship Committee - Member
- Aug 2020 – May 2021 **University of Houston - Clear Lake**
 College of Science Faculty Hiring Committee - Member

SERVICE EXPERIENCES - OTHER

- Feb 2022* **Southwestern Educational Research Association**
 Annual Conference - Division VI Discussant
- Oct 2020 - Oct 2021 **Southwestern Educational Research Association**
 Annual Conference - Division VI Proposal Reviewer
- Feb 2020 - Feb 2021 **Southwestern Educational Research Association**
 Graduate Student Council - Graduate Student Representative
- Dec 2018 - Present **Science and Engineering Fair of Houston**
 High School Life Science - Judge

Awards/Recognitions

Feb 2021	UHCL Center for Faculty Development 1000 Student Milestone
Feb 2021	Southwestern Educational Research Association Education's Dean's awards for exceptional graduate student research
May 2016	Texas City Highschool Athletic Department, Student Choice Male Teacher of the Year
May 2016	Galveston County Daily News Galveston County Teacher of the Year
May 2014	Texas City Highschool Athletic Department, Student Choice Male Teacher of the Year

CONFERENCE PRESENTATIONS

Oral Presentations

Feb 2022*	Southwestern Educational Research Association "The Impact of Science Teachers' Intent to Implement Inquiry"
Oct 2021	American Society Teacher Association "Inquiry-Based Learning: Perceptions, Use, and Barriers for 6-12 Science Teachers"
Feb 2021	Southwestern Educational Research Association "Inquiry-Based Learning: Perceptions, Use, and Barriers for 6-12 Science Teachers"
Feb 2020	Southwestern Educational Research Association "Teacher Perceptions of Inquiry Based Learning and Concerns for Future Implementation"
Feb 2019	Southwestern Educational Research Association "Inquiry-Based Learning and its Effect on STAAR Scores in Traditional and Non-Traditional High School Biology"
Mar 2018	University of Houston - Clear Lake Student Symposium "Climate Change, Rainfall, and the Stability of the Amazon: The Long-Term sustainability of the Amazon Based on Current Climate Models"

Poster Presentations

Nov 2004	The Society for Neuroscience "Afferent connections to the anterior lobules of the cerebellar corpus in the Atlantic stingray, <i>Dasyatis sabina</i> "
Nov 2003	The Society for Neuroscience "The pattern of olivocerebellar projections in the Atlantic stingray, <i>Dasyatis sabina</i> "
Nov 2002	The Society for Neuroscience "Efferent connections of the cerebellar corpus in the Atlantic Stingray, <i>Dasyatis sabina</i> "

PROFESSIONAL CERTIFICATIONS

Aug 2008 - Present	Texas Standard Teaching Certificate
Aug 2008 - Present	4 - 8 Composite Science Teaching Certificate
Aug 2011 - Present	6 -12 Composite Science Teaching Certificate
Aug 2010 - Present	6 -12 Life Science Teaching Certificate
Aug 2017 - Present	CITI Program - Animal Research Certification
Sep 2018 - Present	CITI Program - Human Subjects Certification

Publications

Desai, N.S., T.M. Casimiro, **S.M. Gruber**, and P.W. Vanderklish. Early postnatal plasticity in neocortex of Fmr1 knockout mice. *J. Neurophys.* Jul 2006; doi:10.1152/jn.00221.2006.

Puzdrowski, R.L., and **S. Gruber**. Purkinje cell inputs to the first-order octaval nuclei of the carp, *Cyprinus carpio*. *Soc. Neurosci. Abstr.* Vol. 30, 2004.

Gruber, S., and R.L. Puzdrowski. Afferent connections to the anterior lobules of the cerebellar corpus in the Atlantic stingray, *Dasyatis sabina*. *Soc. Neurosci. Abstr.* Vol. 30, 2004.

Gruber, S., and R.L. Puzdrowski. The pattern of olivocerebellar projections in the Atlantic stingray, *Dasyatis sabina*. *Soc. Neurosci. Abstr.* Vol. 29, 2003.

Gruber, S., and R.L. Puzdrowski. Efferent connections of the cerebellar corpus in the Atlantic Stingray, *Dasyatis sabina*. *Soc. Neurosci. Abstr.* Vol. 28, 2002