

---

## YOOJIN J. CHOI

---

### **Education**

Harvard University Ph.D. Neurobiology	Cambridge, MA 2006
University of California, Irvine B.S. Biological Sciences	Irvine, CA 1999

### **Professional Experience: Teaching**

Point Loma Nazarene University Professor of Biology	San Diego, CA 2022-present
--	-------------------------------

Courses taught:

- BIO 1030 & 1040 Human Anatomy & Physiology 1 & 2 (2022-2023)
- BIO 4070 Neuroscience (scheduled for Spring 2023)

North Park University Professor of Biology, Tenured Associate Professor of Biology	Chicago, IL 2018 – 2022 2014 – 2018
--	---

Courses taught:

- BIOL 2930 Advanced Human Physiology – 14 semesters plus two summers
- BIOL 3910 Pedagogy Research in Biology – developed as a new course, 4 semesters
- BIOL 2100 Cancer Biology – developed as a new course; 3 semesters
- BIOL 3530 Neuroscience – 3 semesters
- BIOL 1250 Intro to Human Anatomy – 2 semesters, class size up to 96

- Leader, A&P sub-group on curricular improvement 2017 – 2022

Adjunct Faculty, National-Louis University • Genetics	Chicago, IL 2012 – 2014
--	----------------------------

Instructor, Center for Talent Development, Northwestern University • AP Biology	Evanston, IL 2012 – 2014
--	-----------------------------

Assistant Professor of Biology, California Baptist University • Anatomy & Physiology and Genetics	Riverside, CA 2011 –2012
--	-----------------------------

Instructor in Science, Phillips Exeter Academy	Exeter, NH
• Advanced Biology	2007 –2011
Lecturer, Seoul National University	Seoul, South Korea
• Writing in Biology	2010
Lecturer, Korea University	Seoul, South Korea
• General Biology	2010

### **Professional Experience: Leadership and Administration**

Chair, Biology Department, North Park University	2021 – 2022
Director of Summer Science Academy, North Park University	2014 – 2022
• Founder and sole administrator of the summer enrichment program for high school students	
• Made all curricular, financial, marketing, and logistical decisions in collaboration with Division of Science colleagues and various offices across campus	
• Grant: Japanese Chamber of Commerce and Industry of Chicago (\$2700), 2019	
Member, Faculty Senate, North Park University	2021 – 2022
• Elected representative from Division of Sciences	
• Member, By-Laws Subcommittee	
Fellow, Hispanic Serving Institution Fellows Program North Park University	2021 – 2022
• Advisory body to the institution's HSI steering committee	
• Selected from campus-wide application process open to all faculty and staff	
Lilly Network Fellow, Representative of North Park University	2020 – 2022
Co-Principal Investigator	2020 – 2022
National Science Foundation S-STEM Grant (\$649,855)	
• Led a 20-student cohort of Engineering and Biology majors who receive scholarships, close advising, and intentional industry exposure through the S-STEM Catalyst grant	
Departmental Liaison, Partnership for Undergraduate Life Science Education (PULSE)	2017 – 2022
• Led department in getting accepted into PULSE Recognition program (2021-2025) for curricular improvement	
Member, Provost Search Committee, North Park University	2020 – 2021
Member, NPU Next Committee (Academic Program Review and Enhancement)	2020 – 2021
Professor in Residence, Södra Vätterbygdens Folkhögskola (Jönköping, Sweden)	2019

Chair, Undergraduate Research Committee, North Park University 2017 – 2018

Chair, Biology search committee, North Park University 2015 – 2016

### ***Professional Experience: Institutional Service***

#### Point Loma Nazarene University

Faculty Affiliate, Anatomy Learning Institute 2022 – present

#### North Park University

Member, Faculty Personnel Committee 2018 – 2021

Faculty Peer Mentor 2018 – 2021

Member, search committee for Nursing 2020 – 2021

Member, search committee for Physics and Engineering 2019 – 2020

Member, search committees for Athletic Training and Physics and Engineering 2018 – 2019

Member, Provost's Innovation Committee 2017 – 2019

Member, search committee for Physics and Engineering 2017 – 2018

Member, Faith-Learning Integration Group 2016 – 2017

Member, Undergraduate Research Committee 2015 – 2017

Faculty mentor, Exploring Vocational and Life Choices (NetVUE grant) 2016

Member, search committees for Exercise Science and Biology 2014 – 2015

Representative Service to North Park University Admissions Office 2014 – 2022

- Presenter, Virtual Visit Week: STEM, Nursing, Health Sciences
- Member, STEM Recruiting Event Planning Committee
- Judge, Trustees Scholarship Competition
- Member, Top Funnel Conversion Team
- Volunteer at numerous Admissions events (Admissions Day, Preview Day, Registration Day, etc)
- Presenter, Admissions Mock Class

#### Other Organizations

Planning Board Member, PULSE Midwestern-Great Plains Regional Workshop 2020 – 2022

Reviewer, *American Journal of Undergraduate Research* 2017 – 2022

Planning Board Member, Chicago Symposium Series on Excellence in Teaching Math & Science  
2017 – 2022

Member of Selection Committee, Global Korea Scholarship 2017 – 2019

Poster Judge, Tri Beta Biology Honor Society Student Research Symposium 2016 and 2021

Phillips Exeter Academy	2008 – 2011
<ul style="list-style-type: none"> <li>• Member, Admissions Committee</li> <li>• Adviser, Exeter Student Service Organization and Biology Club</li> <li>• Coordinator, USA Biology Olympiad</li> <li>• Adviser and Residential Faculty, Merrill Hall</li> </ul>	

### **Publications**

**Choi Y** (2021) Why I am Abandoning Online Test Monitoring. *Christian Scholars Review* Mar 10, 2021.

**Choi Y** and Schau M. (2015) Faith Forward: Turning Faith of the Heart into Action. *North Parker* 75,2:16.

**Choi Y** and Jang, J. (2014) *Why Do Best Schools Focus On Character?* Seoul : Dasan Books.

Chan JA, Balasubramanian S, Witt RM, Nazemi KJ, **Choi Y**, Pazyra-Murphy MF, Walsh CO, Thompson M, Segal RA. (2009) Proteoglycan interactions with Sonic Hedgehog specify mitogenic responses. *Nat. Neurosci.* 12:409-17.

Zhou P, Porcionatto M, Pilapil M, Chen Y, **Choi Y**, Tolias KF, Bikoff JB, Hong EJ, Greenberg ME, Segal RA. (2007) Polarized signaling endosomes coordinate BDNF-induced chemotaxis of cerebellar precursors. *Neuron.* 55:53-68.

**Choi Y**, Borghesani P, Chen JA, Segal RA. (2005) Migration from a mitogenic niche promotes cell-cycle exit. *Development.* 25:10437-45.

Rubin J, **Choi Y**, Segal RA. (2002) Cerebellar proteoglycans regulate Sonic Hedgehog responses during development. *Development.* 129:223-32.

Qian Y, Fritsch B, Shirasawa S, Chen CL, **Choi Y**, Ma Q. (2001) Formation of brainstem (nor)adrenergic centers and first-order relay visceral sensory neurons is dependent on homeodomain protein Rnx/Tlx3. *Genes Dev.* 15:2533-45.

Linster C, Johnson BA, Yue E, Morse A, Xu Z, Hingco EE, **Choi Y**, Choi M, Messiha A, Leon M. (2001) Perceptual correlates of neural representations evoked by odorant enantiomers. *J Neurosci.* 21:9837-43.

### **Other Scholarly Activities (recent)**

Anatomy & Physiology National Teaching and Learning Community	online 2021 – present
Small Group Facilitator, Lilly Fellows Program National Conference “Science, Faith and the Common Good”	Boston, MA Oct 2021
Speaker, Opening Convocation, North Park University	Chicago, IL Aug 2021

Lecture, "Educating the Whole Person" Xilin Chinese School	Wilmette, IL Sep 2020
Research presentation: "Putting Students in the Teacher's Shoes" Associated Colleges of the Chicago Area Symposium on Pedagogy	Joliet, IL Nov 2018
Guest lecture: "Neuroscience and Faith" Introduction to Theology course at North Park University	Chicago, IL Oct 2018
Research presentation: "Putting Students in the Teacher's Shoes" Society of College Science Teachers sponsored presentation National Science Teachers Association National Conference	Reno, NV Oct 2018
Keynote speaker, Michigan Korean-American School Association Annual Seminar	Detroit, MI Sep 2018
Speaker, Opening Convocation, North Park University	Chicago, IL Aug 2018
Poster presentation, "A team-taught bioethics class increases student responsibility, analytical skills, and empathy." PULSE Midwest and Great Plains Regional Conference	Chicago, IL Aug 2018
Science Career Presenter, Girls Who Code	Chicago, IL Jul 2018
Lecture, "Educating the Whole Person" Korean Scientist and Engineers Association Math Competition	Evanston, IL Apr 2018
Presenter, Noble Charter School Network Chicago STEM Expo	Chicago, IL Dec 2017
Session presenter, Tech Day, North Park University	Chicago, IL Jan 2017
Presenter, Noble Charter School Network Chicago STEM Expo	Chicago, IL Dec 2016
Lecture, "Educating the Whole Person" Education Department of South Korea	Daegu, S Korea Jun 2016
Respondent to Dr. Elaine Howard-Ecklund on Science and Religion Campus Theme "What is Truth?" Event, North Park University	Chicago, IL Apr 2016

**Professional Development (recent)**

Society for the Advancement of Biology Education Research (SABER) West Conference and Workshop Series  
Jul 9 - 30, 2021

American Society for Cell Biology and Life Science Education webinar: Evidence-based Teaching Guide on Inclusive Teaching	May 7, 2021
Kaplan/AGB/AAC&U webinar, Work Readiness Defined and Measured – Getting Stakeholders on the Same Page	Feb 17, 2021
SABER West Conference and Workshop Series	Jan 8 - 22, 2021
Quality Matters Success Stories webinar, Checkpoints to the Design and Delivery of Engaging Online Learning Environments	Dec 16, 2020
Chronicles of Higher Ed Forum: Building a Versatile Work Force for the Pandemic Era	Dec 7, 2020
Learning Assistant Alliance Virtual Coffee Hour: Reflect and Plan	Dec 4, 2020
Associated Colleges of the Chicago Area Symposium on Pedagogy	Nov 14, 2020
Learning Assistant Research Symposium	Nov 13, 2020
AAC&U Transforming STEM Higher Education Conference	Nov 6-7, 2020
Kaplan/AGB/AAC&U webinar, Closing the Perceptions Gap Among Stakeholders on the Work Readiness of College Graduates	Oct 28, 2020
Science Online (SO): Inspired Conference	Oct 14, 2020
Society for Neuroscience Conference: Development and Regeneration: Common Themes and Important Differences	Sep 9, 2020
Quality Matters Top Tips for Designing a HyFlex Course	Aug 12, 2020
Vernier x LabArchives: Tips for Moving Your Course Online	Aug 6, 2020
Arizona State University EdX course: Foundations for Excellence in Teaching Online	Aug 2020
Society for the Advancement of Biology Education Research Conference	July 10 & 31, 2020
Life Science Education: Transitioning to Online Instruction	Mar 20, 2020
National Science Teachers Association National Conference	Reno, NV Oct 11-13, 2018
Partnership for Undergraduate Life Sciences Education (PULSE) Midwestern and Great Plains Regional Network Conference, Elmhurst University	Elmhurst, IL Aug 3, 2018
Christian Higher Education Leadership Conference, Baylor University	Waco, TX May 13-17, 2018

ACCA-PULSE Professional Development Workshop, Morton Arboretum	Lisle, IL May 22, 2017
Workshop on College Readiness in STEM, Concordia University	River Forest, IL Feb 22, 2017
Chicago Symposium Series on Excellence in Teaching Mathematics & Science Roosevelt University	Chicago, IL Feb 3, 2017
Partnership for Undergraduate Life Sciences Education (PULSE) Midwestern and Great Plains Regional Network Conference, Washington University	St. Louis, MO Aug 5-7, 2016
ACCA Workshop on Assessment, Benedictine University	Lisle, IL Jan 15, 2016

### **Scholarly Activities with Students**

#### Research interest 1: Silencing of SSD1 gene in *Chlamydomonas reinhardtii*

##### Students:

Matthew Skarzynski	2021-2022
Jack Walsh	2021-2022
Stephanie Sorisho	2020-2022
Darby Agovino	2018-2021
Brayan Cortez	2018-2020
Amir Barmada	2017-2018
Chia-Jung Hsieh	2016-2017
Haydee Ramirez (including NPRESS, a competitive summer program)	2016-2017
Lucia Tejada	2015-2017
Grace E. Williams	2015-2016

##### Grants and Awards:

Darby Agovino, Tri Beta Biology Honor Society Student Research Grant (\$906)	2020
Darby Agovino, Tri Beta Student Research Presentation – Second Place	2021

#### Research interest 2: Improving science teaching and learning through student participation

- o Launched a course-based science education research program of Peer Instruction in Biology

##### Students:

Timothy Clark, Cassandra Fajardo, Daisy Zarco	Fall 2021
Irma Bahena, Vladimira Cechova, Cassandra Fajardo, Jennifer Fuentes-Rivera, Jonathan Madera, Sara Mayes, Amy Stromberg	Spring 2021
Sabrina Herao and Victoria Olson	Fall 2020
Ninos Anaiel, Nyssa Krull, Jocelyn Perez, and Rachel Weaver	Spring 2019

Research interest 3: Effectiveness of teaching as a learning tool

Student: Kathy Koutsouris (BA in Biology, May 2015; MA in Secondary Education, May 2018)

## Presentations:

Research presentation: "Putting Students in the Teacher's Shoes" Joliet, IL  
 Associated Colleges of the Chicago Area Symposium on Pedagogy at St. Francis University Nov 3, 2018

Research presentation: "Putting Students in the Teacher's Shoes" Reno, NV  
 Society of College Science Teachers sponsored presentation Oct 12, 2018  
 National Science Teachers Association National Conference

Human Subject Research Training Certification for Social & Behavioral Research, CITI Program  
 2017, 2020

**Church and Faith Community Involvement (past 10 years)**North Park University

- Reader at A Festival of Lessons and Carols Dec 2, 2018
- Prayer at Gathering Day Aug 22, 2017
- Reader at Baccalaureate Service May, 2015 and 2017
- Reader at "Hope Has a Home Here" campus event Feb 20, 2017
- Communion Server at Chapel Nov 2, 2016
- Guest speaker, Honors Congress Faculty Share Oct 19, 2016
- Reader at Gathering Day Aug 25, 2015
- Presented at "How do you believe?" faculty gathering series Oct 19, 2016
- Chapel as one of three sermons on Genesis 1 "God of Order, Not of Chaos" Mar 9, 2016

Chapel speaker at Södra Vätterbygdens Folkhögskola Jönköping, Sweden  
 Fall 2019

Interviewed on "The Calling" Los Angeles, CA  
 Christian Global Network, a Korean-language radio station Dec 2018

Bible Camp Teacher, Covenant Mountain Missions Bible Camp Jonesville, VA  
 Jun 2018

Lecture, "Educating the Whole Person" Chicago, IL  
 Chicago Bethel Church Jun 2018

Member, Search Committee for Associate Pastor, Winnetka Covenant Church Wilmette, IL  
 2017 - 2018

Lecture, "Educating the Whole Person" Summer 2017



- Crestview Baptist Global Mission Church, Pensacola FL
- Florida Korean Baptist Church Association 33<sup>rd</sup> Annual Conference, Orlando FL
- Tampa New Light Church, Tampa FL

Adult Sunday School presentation: “Science and Faith” Winnetka Covenant Church	Wilmette, IL Jan 2017
Volunteer teacher, Sunday school and VBS at Trinity United Methodist Church	Wilmette, IL 2015-16
Lecture, “Educating the Whole Person” Mosaic Church	Chicago, IL Apr 2016
Lecture, “Educating the Whole Person” Korean Church of Chicago	Chicago, IL Feb 2016
Interviewed on Korean Christian TV channel MC-TV	Wheeling, IL Mar 2015
Volunteer teacher, Korean United Presbyterian Church Korean School	Chicago, IL 2013 - 2014
Presentation: “Christian Faith and Evolution” Moody Bible Institute Korean Student Fellowship	Chicago, IL Mar 2013
Presentation: “Christian Faith and Evolution” Church for Others	Sierra Madre, CA Jun 2012

### **Other Work Experience**

Translator, Kyung Hee University (Seoul, South Korea)	2012 – 2014
<ul style="list-style-type: none"> <li>• Korean to English, specializing in scientific and medical content</li> </ul>	
Consultant, Leadership Prep Curriculum Development	Los Angeles, CA 2009 – 2011
Founder and Director, Boston Bridge Academy	Newton, MA
<ul style="list-style-type: none"> <li>• Tutoring and consulting service to K-12 students</li> <li>○ Hired, managed, and mentored 30+ tutors (including college and graduate students)</li> <li>○ Designed curricula and supervised lesson plan in all subject areas</li> </ul>	2005 – 2007

### **Other Volunteer and Service Experience (past 10 years)**

Alumni Interviewer, Harvard College Admissions	2011 - present
--	----------------

Supervisor, ITW David Speer Academy Senior Internship Program	2018-2019
Mentor, BioSci Mentor Program, UC Irvine School of Biological Sciences	2008 - 2018
Volunteer, Working In The Schools (WITS) reading program at Hibbard School	Chicago, IL 2014-15
Chair/Volunteer, Junior Great Books program, McKenzie Elementary School	Wilmette, IL 2012 - 2014

***Professional Affiliations***

Partnership for Undergraduate Life Science Education  
Society for Neuroscience  
American Scientific Affiliation  
National Science Teachers Association  
Society for College Science Teachers  
National Biology Teachers Association