



DR. RICHARD J. BELLUCCI

Translational Hearing Center

Creighton University

Program at Creighton University and Creighton College, Omaha, Neb.

5th Annual Bellucci Symposium on Hearing Research

Creighton University

May 19, 2023



8:30 – 8:45 am, Welcome and Introduction
Litao Tao, PhD, Creighton University

Morning Podium Session
moderated by Jun Xia, PhD, Creighton University

8:45 – 9:15 am
Matthew Kelley, PhD, The National Institute on Deafness and Other Communication Disorders
Identification of transcriptional regulators of cochlear development using single cell RNA sequencing

9:15 – 9:45 am
Doris Wu, PhD, The National Institute on Deafness and Other Communication Disorders
Sonic hedgehog signaling orchestrates both cochlear duct and spiral ganglion development.

9:45 – 10:15 am
Ronna Hertzano, MD, PhD, The National Institute on Deafness and Other Communication Disorders
Illuminating Inner Ear Development Using Cell Type-Specific Omics

10:15 – 10:45 am
Jennifer Stone, PhD, University of Washington
The transcription factor Sox2 plays a key role in maintaining the phenotype of type II vestibular hair cells and in regulating vestibulo-motor behaviors in adult mice

10:45 – 11:00 am, Break

11:00 – 11:30 am, Bellucci Trainee Award
Nesrine Benkafadar, PhD, PharmD, Stanford University
An essential signaling cascade for auditory hair cell regeneration
introduced by Emma Longworth, Creighton University

11:30 – 12:15 pm, Bellucci Pioneer Award in Hearing Research
Jaime García-Añoveros, PhD, Northwestern University
A Developmental Dichotomy: How the Cochlea Makes Inner vs Outer Hair Cells
introduced by Shreshtha Dash, Creighton University

12:15 – 1:15 pm, Group photo and lunch served in rooms 2045 and 2046

Afternoon Podium Session, Moderated by Marisa Zallocchi, PhD,
Creighton University

1:15 – 1:45 pm

Daniel Goldman, PhD, University of Michigan

Muller glial cell reprogramming and retina regeneration

1:45 – 2:15 pm

James Martin, MD, PhD, Baylor College of Medicine

Hippo-signaling in Heart Regeneration

2:15 – 2:45 pm

Alan Cheng, MD, Stanford University

Regeneration of the damaged human vestibular system

St. John's Church and Creighton College, Omaha, Neb.

2:45 – 3:15 pm

Karl Koehler, PhD, Harvard University

Inner ear organoids for modeling development and disease

3:15– 3:45 pm

Closing remarks

3:30 – 6:30 pm, Poster Session in rooms 2057 and 2058

3:45 – 4:45 pm

Joshua Orvis, Bioinformatics Engineer

gEAR Workshop: How to use the gEAR Portal to investigate -omics data

5:00 – 5:30 pm

Dedication Ceremony for the Dr. Richard J. Bellucci Translational
Hearing Center

Mardell Wilson, EdD, Provost, Creighton University

Kevin O'Leary, President, Bellucci DePaoli Family Foundation

Peter S. Steyger, PhD, Director, Dr. Richard J. Bellucci

Translational Hearing Center, Creighton University

5:30 – 6:30 pm

Reception

Complimentary selection of wines, beers, refreshments, and hors
d'oeuvres

We offer our sincere thanks to:

The Bellucci DePaoli Family Foundation

The Creighton University School of Medicine and the Department of Biomedical Sciences

Our speakers, presenters, and all who attend the Symposium

The faculty, students, postdoctoral fellows, and staff of Creighton University

The members of the Bellucci Symposium Planning Committee:

Scientific: Litao Tao (co-chair), Jian Zuo (co-chair), David He, Peter Steyger, Brian North, Jun Xia, and Marisa Zallocchi
Administrative: Stacy Barney, John Bolas, Jon Hemphill, Charles Klinetobe, Jerrod Lawrence, Olivia Redden, and Jacob Walker

The members of the Scientific Advisory Board and External Advisory Committee:

SAB: Colleen Le Prell (chair), John Brigande, Dawn Martin, David Raible, and Konstantina Stankovic
EAC: Daniel Tollin (chair), Alain Dabdoub, Ronna Hertzano, Lisa Hunter, and Amanda Lauer

Our Bellucci Translational Hearing Center Partners at the University of Nebraska Medical Center and Boys Town National Research Hospital

ICAN Captions for closed captioning services: Mydge Tyska-Heaney, Kelly DeCamp, Erik Olson, and Kristine Teshima

Videographer: Peter Soby

Still photographer: Rebecca Gratz

Image of St. John's Church from Lori Sailors, "Throwback Thursday: St. John's Church and Creighton College c. 1900," *Nebraska Library Commission, NCompas Blog*, 14 September 2017.

<http://nlcblogs.nebraska.gov/nlcblog/2017/09/14/throwback-thursday-st-johns-church-creighton-college-omaha-nebraska/>.

All who support our mission to preserve and restore hearing