



THE NATIONAL INSTITUTES OF HEALTH PRESENTS:

VIRTUAL EVENT 

PROOF OF CONCEPT NETWORK ANNUAL MEETING

2021

DECEMBER 7 - 9

ACCELERATING TRANSLATION OF SCIENTIFIC
DISCOVERIES INTO HEALTHCARE PRODUCTS

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Welcome



We are so excited to welcome you to the 2021 NIH Proof of Concept Network Annual Meeting.

Our mission at NIH is to turn scientific discoveries into healthcare solutions. Converting research discoveries into products is a long and complex process. In addition to funding for proof of concept studies, academic innovators often require entrepreneurial training and intellectual property, regulatory, and commercialization guidance to make the jump from bench to bedside.

NIH has developed a national network to help academic innovators convert their promising scientific discoveries into medical products and to train a biomedical workforce that is globally competitive in technology development and entrepreneurship. This public/private partnership spans 15 hubs that serve more than 100 universities in 34 states and Puerto Rico through three programs - Research Evaluation and Commercialization Hubs (REACH), NIH Centers for Accelerated Innovations (NCAI), and NIGMS Accelerator Hubs for IDeA states.

Since its inception, the NIH Proof of Concept Network has provided entrepreneurial training to over 4,000 academic innovators and supported the advancement of over 400 innovative discoveries towards healthcare products. These innovators, some of whom you'll meet during this conference, have created more than 100 startups, raised over \$1.58 billion in private-sector funding, and have brought several products to patients and the research community including a personalized airway stent to improve quality of life, an artificial brain to improve the diagnostic power of functional MRI, and an online toolkit to address burnout in first responders that is currently used by more than 6,500 people in all 50 states.

For this year's meeting, we are thrilled to partner with the Association of University Technology Managers (AUTM) on an engaging session about academic entrepreneurship and technology development. You will also hear about fostering diversity in academic entrepreneurship and innovation, approaches to tracking commercialization outcomes, and a live pitch session featuring innovators from across the network. We hope you find the sessions engaging and thought-provoking.

Thank you for attending this year's event and for supporting academic entrepreneurship and product development.

Cheers,

A handwritten signature in blue ink, appearing to read 'Matt McMahon', with a stylized flourish at the end.

Matt McMahon
Director, NIH SEED (Small business Education and Entrepreneurial Development)

Agenda – Day One

2021 Annual Proof of Concept Network Meeting

Tuesday, December 7, 2021: [Webinar Meeting Link](#)

- | | |
|--------------------------------|--|
| 12:00 p.m. – 12:15 p.m. | Welcome
Ashim Subedee, PhD (NIH SEED) |
| 12:15 p.m. – 1:00 p.m. | Product Development at the NIH – Introduction to the Proof of Concept Network
Matt McMahon, PhD (NIH SEED) |
| 1:00 p.m. – 1:15 p.m. | Break |
| 1:15 p.m. – 2:00 p.m. | Keynote Address
Jon Lorsch, PhD (NIGMS) |
| 2:00 p.m. – 2:15 p.m. | Break |
| 2:15 p.m. – 3:30 p.m. | NIH Proof of Concept Network Success Stories
Speakers:
Sarah Kalil, MJ (CoreMap)
Barry Lutz, PhD (University of Washington / Anavasi Diagnostics)
Lilianne Mujica-Parodi, PhD (Stony Brook University)
Ashim Subedee, PhD (NIH SEED)
Jonathan Thon, PhD (PlateletBio / STRM.BIO) |

Agenda – Day Two

2021 Annual Proof of Concept Network Meeting

Wednesday, December 8, 2021: [Webinar Meeting Link](#)

- 12:00 p.m. – 12:15 p.m.** **Welcome**
Krishan Arora, PhD (NIGMS)
- 12:15 p.m. – 1:00 p.m.** **NIH Proof of Concept Network Common Metrics and Outcomes Tracking**
Alan O’Connor, MBA (RTI International)
- 1:00 p.m. – 1:15 p.m.** **Break**
- 1:15 p.m. – 2:15 p.m.** **Equity, Diversity, and Inclusion Across the Proof of Concept Network**
Speakers:
Almesha Campbell, PhD (Jackson State University / AUTM)
Jonathan Fay, PhD (University of Michigan / NSF I-Corps)
Julius Korley, PhD, MBA (University of Delaware)
Monique Quarterman, MBA (Kentucky Commercialization Ventures)
Eric Padmore, MHSA (NIH OER)
- 2:15 p.m. – 2:30 p.m.** **Break**
- 2:30 p.m. – 4:00 p.m.** **Joint Session with Association of University Technology Managers (AUTM): Fostering Entrepreneurship and Translating Academic Discoveries into Healthcare Products**
Speakers:
Almesha Campbell, PhD (Jackson State University)
Laura Russell Halligan, ALM (University of Kentucky / Launch Blue)
Ian McClure, JD, LLM (University of Kentucky / AUTM)
Daria Mochly-Rosen, PhD (Stanford University)
Laura Savatski, MBA (Versiti Inc. / AUTM)
- 4:00 p.m. – 5:00 p.m.** **Networking & Happy Hour**
Networking opportunity to meet with NIH and POCN Hubs & Centers
Rooms:
Northeast/Mid-Atlantic (DRIVEN, ROI, LIBH, B-BIC) | [Room Link](#)
Western/Mountain (ASCEND, WE-REACH, CO-SPARK, UC-CAI) | [Room Link](#)
Midwest (SHARP, MN-REACH, MBarC, NCAI-CC) | [Room Link](#)
South (XLerator, UofL-ExCITE, KYNETIC) | [Room Link](#)
NIH | [Room Link](#)

Agenda – Day Three

2021 Annual Proof of Concept Network Meeting

Thursday, December 9, 2021: [Webinar Meeting Link](#)

- 12:00 p.m. – 12:15 p.m.** **Welcome**
Kathleen Rousche, PhD (NHLBI)
- 12:15 p.m. – 1:15 p.m.** **NIH Resources Beyond the Proof of Concept Network**
Speakers:
Stephanie Fertig, MBA (NIH SEED)
Amir Tamiz, PhD (NINDS)
Kim Taylor, PhD (NIAID)
- 1:15 p.m. – 1:30 p.m.** **Break**
- 1:30 p.m. – 2:30 p.m.** **Entrepreneurial Education and Resource Development with Innovator Engagement**
Speakers:
Paula Bates, PhD (University of Louisville)
Brett Janis, PhD (DesiCorp)
Samantha Oblander, PhD (NeoIndicate)
Ofer Reizes, PhD (Cleveland Clinic)
Jessica Sharon, MBA, MS (University of Louisville)
- 2:30 p.m. – 2:45 p.m.** **Break**
- 2:45 p.m. – 4:15 p.m.** **Proof of Concept Network Innovator Showcase**
Presenting Innovators:
Jeff Bemowski, MBA (Clairways / DRIVEN Hub)
Michael Detmer, MT (Innovative Therapeutix / UofL-ExcITE Hub)
Devatha Nair, PhD (University of Colorado / CO-REACH Hub)
Camilla Simpson, MSc (Zehna Therapeutics / NCAI-CC Hub)
Judges:
Steve Flaim, PhD, FACC, FAHA (NHLBI)
Kuldeep Neote, PhD (NIH SEED)
Loleta Robinson, MD, MBA (NIH SEED)
Ethel Rubin, PhD (NIH SEED)
John Sullivan, MBA (NIH SEED)

Speakers and Panelists

Keynote and Welcome Remarks



Krishan Arora, PhD

Program Director, Division for Research Capacity Building, National Institute of General Medical Sciences (NIGMS)



Jon Lorsch, PhD

Director, National Institute of General Medical Sciences (NIGMS)



Matt McMahon, PhD

Director, NIH Small business Education and Entrepreneurial Development (SEED)



Kathleen Rousche, PhD

Director, Office of Translational Alliances and Coordination, National Heart, Lung, and Blood Institute (NHLBI)



Ashim Subedee, PhD

Academic Innovation Lead, NIH Small business Education and Entrepreneurial Development (SEED)

NIH Proof of Concept Network Success Stories



Sarah Kalil, MJ
Co-Founder, President, & CEO, CoreMap



Barry Lutz, PhD
Co-Founder & CSO, Anavasi Diagnostics; Associate Professor, Department of Bioengineering, University of Washington



Liliane Mujica-Parodi, PhD
Director, Laboratory of Computational Neurodiagnostics, Stony Brook University

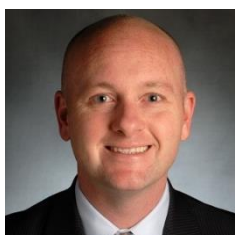


Ashim Subedee, PhD (Moderator)
Academic Innovation Lead, NIH Small business Education and Entrepreneurial Development (SEED)



Jonathan Thon, PhD
Founder & CEO, STRM.BIO; Co-founder, PlateletBio

NIH Proof of Concept Network Common Metrics and Outcomes Tracking



Alan O'Connor, MBA
Senior Director, Center for Applied Economics & Strategy, RTI International

Equity, Diversity, and Inclusion Across the Proof of Concept Network



Almesha Campbell, PhD

Assistant Vice President for Research and Economic Development, Jackson State University; Director, Association of University Technology Managers (AUTM)



Jonathan Fay, PhD

Dixon and Carol Doll Executive Director, University of Michigan Center for Entrepreneurship (CFE); Node Executive Director, NSF Innovation-Corps program (NSF I-Corps)



Julius Korley PhD, MBA (Moderator)

Co-Director, NSF I-Corps Northeast Hub; Director of Entrepreneurship and Strategic Partnerships, University of Delaware



Monique Kuykendoll Quarterman, MBA

Executive Director, Kentucky Commercialization Ventures (KCV); Co-investigator for the Kentucky Network for Innovation and Commercialization (KYNETIC); Senior Leadership Team member at the Kentucky Science & Technology Corporation (KSTC)



Eric Padmore, MHSA

Senior Policy Advisor, NIH Office of Extramural Research

Joint Session with Association of University Technology Managers (AUTM): Fostering Entrepreneurship and Translating Academic Discoveries into Healthcare Products



Almesha Campbell, PhD

Assistant Vice President for Research and Economic Development, Jackson State University; Director, Association of University Technology Managers (AUTM)



Laura Russell Halligan, ALM

Executive Director, Lead Instructor, & Coach, Launch Blue, University of Kentucky



Ian D. McClure, JD, LLM (Moderator)

Chair-Elect, Association of University Technology Managers (AUTM); Associate Vice President for Research, Innovation and Economic Impact; Executive Director, UK Innovate at the University of Kentucky



Daria Mochly-Rosen, PhD

President & Founder, SPARK GLOBAL; George D Smith Professor of Translational Medicine, Stanford University School of Medicine



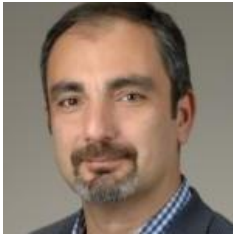
Laura Savatski, MBA

Technology Transfer Officer, Versiti Inc.; Chair, Association of University Technology Managers (AUTM)

NIH Resources Beyond the Proof of Concept Network



Stephanie Fertig, MBA (Moderator)
Health and Human Services (HHS) Small Business Program Lead, NIH Small
business Education and Entrepreneurial Development (SEED)



Amir Tamiz, PhD
Director, Division of Translational Research, National Institute of
Neurological Disorders and Stroke (NINDS)



Kim Taylor, PhD
Senior Scientific Officer, Concept Acceleration Program - Vaccines, National
Institute of Allergy and Infectious Diseases (NIAID)

Entrepreneurial Education and Resource Development with Innovator Engagement



Paula Bates, PhD

Co-Director, Kentucky Network for innovation & Commercialization (KYNETIC); Director, University of Louisville Expediting Commercialization, Innovation, Translation, and Entrepreneurship (UofL-ExCITE); Professor of Medicine, University of Louisville



Brett Janis, PhD

Co-Founder & CEO, DesiCorp



Samantha Oblander, PhD

Senior Director, Research & Development, NeoIndicate



Ofer Reizes, PhD

Director, Skills Development Cleveland Clinic Innovations; Laura J. Fogarty Endowed Chair for Uterine Cancer Research, Cleveland Clinic Lerner Research Institute



Jessica Sharon, MBA, MS (Moderator)

Director, Innovation Programs, University of Louisville; Project Manager, Kentucky Network for innovation & Commercialization (KYNETIC)

Proof of Concept Network Innovator Showcase – Presenting Innovators



Jeff Bemowski, MBA
CEO, Clairways



Michael Detmer, MT
CEO & Co-Founder, Innovative Therapeutix, Inc.

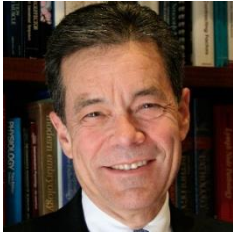


Devatha Nair, PhD
Assistant Professor, University of Colorado Anschutz Medical Campus
School of Dental Medicine



Camilla Simpson, MSc
CEO, Zehna Therapeutics; Board Member, Spruce Biosciences and Dyve
Biosciences

Proof of Concept Network Innovator Showcase – Judges



Steve Flaim, PhD, FACC, FAHA (Moderator)
Entrepreneur-in-Residence, National Heart, Lung, and Blood Institute (NHLBI)



Kuldeep Neote, PhD
Entrepreneur-in-Residence, Small business Education and Entrepreneurial Development (SEED)



Loleta Robinson, MD, MBA
Entrepreneur-in-Residence, Small business Education and Entrepreneurial Development (SEED)



Ethel Rubin, PhD
Entrepreneur-in-Residence, Small business Education and Entrepreneurial Development (SEED)



John Sullivan, MBA
Entrepreneur-in-Residence, Small business Education and Entrepreneurial Development (SEED)



Steve Wolpe, PhD
Entrepreneur-in-Residence, Small business Education and Entrepreneurial Development (SEED)