



Helping to End Addiction Long-term Initiative Meeting Summary and Closing Remarks

Rebecca Baker, Director, NIH HEAL Initiative, Office of the Director, NIH

Meeting Themes

- Adapting research to COVID-19
- Supporting patient engagement in research
- Advancing health equity
- Strengthening partnerships
- Sharing HEAL-generated results with the broader community



What we heard...

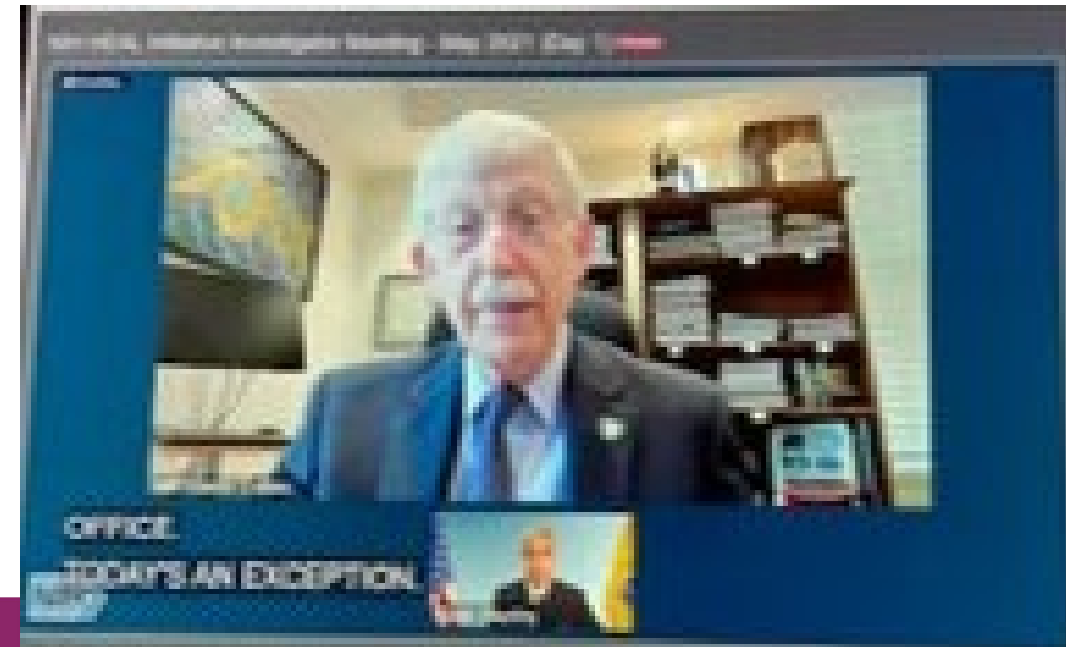
- Resilience and ingenuity of the scientific community
- Responsive to changing landscape and emerging trends
- Focus on health equity and culturally tailored interventions
- Strength-based approaches for patients

A word cloud containing the following terms: connection, networking, discovery, empower, research in action, adapting, collaboration, engagement, innovation, equity, and disparities. The words are arranged in a cluster with varying sizes and colors (red, blue, orange, teal).

connection
networking
discovery empower
research in action
adapting collaboration
engagement
innovation
equity disparities

Emotional Well-Being and the Power of Connections to Fight the Opioid Epidemic

- NIH Director Francis Collins and Surgeon General Vivek Murthy
 - Emotional wellbeing cuts across mental health, pain, and substance use, especially challenging during COVID
 - Support primary care providers and others treating pain and OUD
 - Love, compassion, and kindness are sources of strength
- We need your voice and expertise!



Research Trends and Perspectives

- **Intersection of opioid crisis and COVID**
 - Drug use, synthetic opioid and stimulant use, and overdose increased during COVID
 - Need for sustainable models of care, economic research, and integrated healthcare interventions
- **Balancing act of treating pain**
 - Chronic pain set in web of disorders contributing to disability
 - Physician mistrust exacerbates undertreatment of pain
 - Care coordination essential in persons with pain and OUD





Amplifying HEAL Initiative Efforts

- Data and information sharing is a cross-cutting theme
- ***Vision***: an integrated, FAIR biomedical data ecosystem
- HEAL Data Ecosystem resources accelerate discoveries

<http://bit.ly/HEALStewardsConnect>

Advancing Research in Opioid Misuse and Pain: Scientific Symposia

- Highlighted research covers a range of pain conditions
 - Adolescent pain management, post cesarean section pain, and chronic low back pain
- Linkage to care is essential
 - Incorporate nurse care managers in primary care, leverage electronic health records, and coordinate with outpatient care management
- Engagement through telemedicine
 - Posters, websites, other media can expand knowledge and accessibility
- Protocols adapted for COVID based on the needs of the studies, facilities and patients

Engaging Communities in Research and Response

- **Community engagement is critical**
 - Intentional, strong connections between researchers, providers, and community organizations builds trust
 - Looks different in different communities
 - Success metrics are not universal
 - Marriage between science and grassroots
- **Requires sustainability planning**
 - Ensure that communications channels established during research are maintained and disseminated



“Nothing about us without us is for us”

Advancing Health Equity

- Racial disparities in treatment and care for substance use disorder
- Access to and quality of care are variable in correctional health systems
- **Actions to advance health equity**
 - Principals of community-based participatory research
 - Consider ways of accessing needed data
 - Include people with lived experience into the practice and governance of research, including the experience of incarceration



Breakout Session Themes

- **Considerations when collecting sensitive data**
 - State law requires reporting to child abuse agency; studies designed so PII is not shared in timeframe for reporting
 - Need for more research on impact of punitive policies
- **Community Engagement Efforts**
 - Advisory Committees of community members is essential; hire diversity coordinators and multiple liaisons
 - Work with community gatekeepers to meet people where they are
- **Adapting interventions to remote delivery**
 - Not ideal for interventions; mixed models may provide good balance.
 - Disparities exist by age and race; important to incorporate SDOH into outcomes for digital health equity

Breakout Session Themes

- **Medical complexity is ongoing challenge**
 - Co-morbidities pose recruitment barriers; needs to be relevant to real world treatment outcomes
 - Requires strategies to include patient-centered outcomes and perspectives
- **Polysubstance use and comorbid health conditions**
 - Overwhelming evidence for contingency management
 - Meaningful endpoints for FDA approval needed
- **Disseminating HEAL Research**
 - Use interviews and meetings to correct negative or stigmatizing language
 - Individual stories make research more relatable

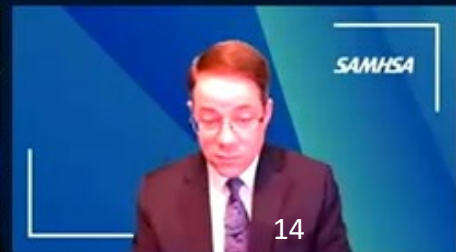
Adapting to the Colliding Crises

- Positive changes in healthcare amid the COVID pandemic
 - Virtual delivery increased reach of evidence-based interventions
 - Lower regulatory and payment barriers
 - Improved online recruitment and engagement
 - Evaluating team progress more effective in virtual platform
- Research needed on efficacy of virtual telehealth and tailored interventions to meet complex health and cultural needs



Moving Research Into Action

- Collaboration and coordination is needed now more than ever
- HHS relies on HEAL researchers to share what is happening in the field; Solid evidence informs public policy and practice
- Need for more Research!
 - Polysubstance use
 - Recovery support
 - SUD treatment in primary care
 - Specific pain conditions



Harnessing Innovation in Pain and Addiction Research: Scientific Symposia

- Highlighted research covers range of topics
 - Headache disorders, substance use disorders and psychiatric co-morbidities, pain after trauma, autoimmune disease, co-occurring pain and OUD, vaccine development
- Discovery of new medications requires:
 - Predictive models, biomarkers, back-translation
 - Support navigating FDA regulatory approval – NIH can help!!
 - Focus on narrowing bench to bedside gap

We want to hear from you!

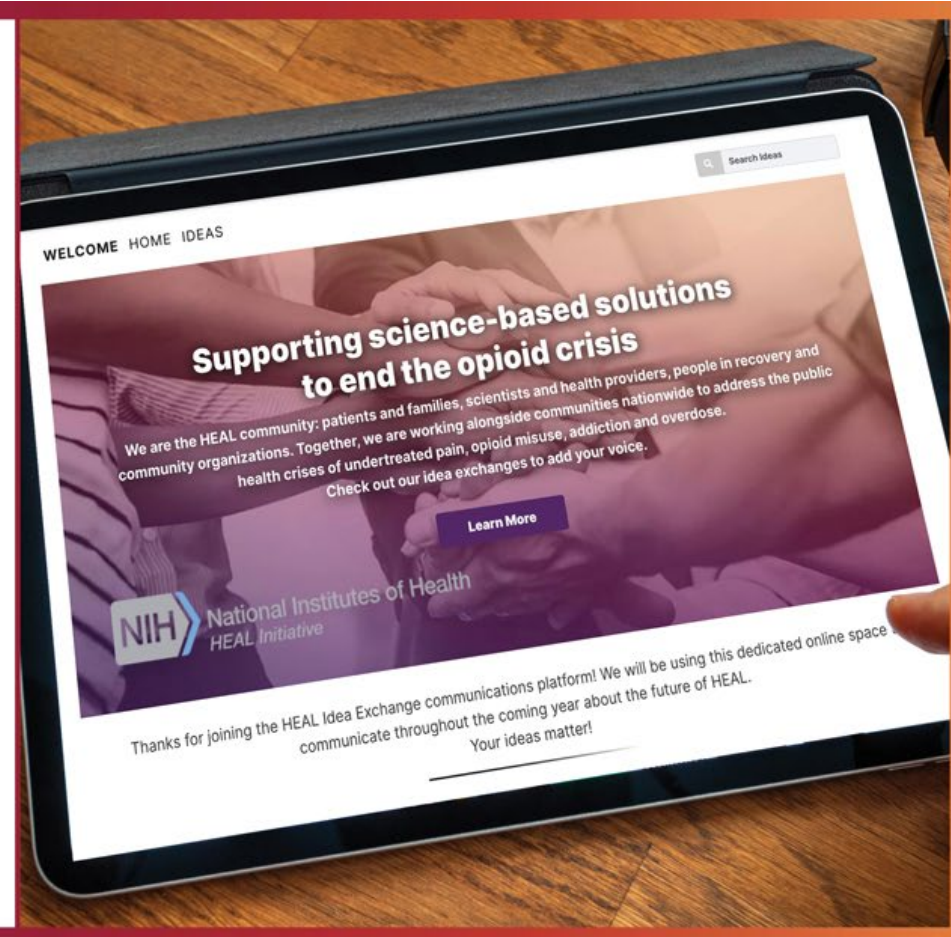
NIH HEAL INITIATIVE

Share your ideas on research to address pain management and the opioid crisis.



National Institutes of Health
HEAL Initiative

nih-heal.ideascalegov.com



Prioritizing a Diverse Research Community

- **Scientific Workforce Diversity**
 - **OPEN:** Research Supplements to Promote Diversity in Health-Related Research ([PA-20-222](#))
- **Mentorship for Junior Investigators**
 - **OPEN:** Support Mentorship of Junior Investigators in clinical pain research ([NS-21-026](#))
- **Supplements to Support Patient Engagement and Diversity**



Open funding opportunities... and more to come!

Early Phase Pain Investigation Clinical Network (EPPIC-Net) Pain Research Asset Application [OTA-21-005](#)

Small Business Innovation Research

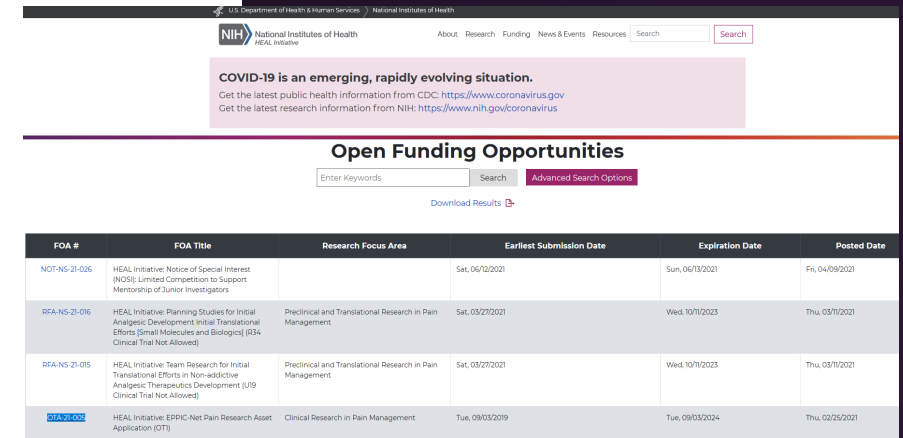
- Development of Therapies and Technologies Directed at Enhanced Pain Management [RFA-NS-20-009](#); [RFA-NS-20-011](#)
- America's Startups and Small Businesses Build Technologies to Stop the Opioid Crisis [RFA-DA-19-019](#); [RFA-DA-19-020](#)

Medication Development

- Development of Medications to Prevent and Treat Opioid Use Disorders and Overdose [PAR-20-092](#)

Preclinical Analgesic Development

- Planning Studies for Initial Analgesic Development Initial Translational Efforts [Small Molecules and Biologics] [RFA-NS-21-016](#)
- Team Research for Initial Translational Efforts in Non-addictive Analgesic Therapeutics Development [RFA-NS-21-015](#)
- Non-addictive Analgesic Therapeutics Development [Small Molecules and Biologics] to Treat Pain [RFA-NS-21-010](#)



FOA #	FOA Title	Research Focus Area	Earliest Submission Date	Expiration Date	Posted Date
NOT-NS-21-026	HEAL Initiative: Notice of Special Interest (NOSI) Limited Competition to Support Mentorship of Junior Investigators		Sat. 06/12/2021	Sun. 06/13/2021	Fri. 04/09/2021
RFA-NS-21-016	HEAL Initiative: Planning Studies for Initial Analgesic Development Initial Translational Efforts [Small Molecules and Biologics] (R24 Clinical Trial Not Allowed)	Preclinical and Translational Research in Pain Management	Sat. 03/27/2021	Wed. 10/1/2023	Thu. 03/11/2021
RFA-NS-21-015	HEAL Initiative: Team Research for Initial Translational Efforts in Non-addictive Analgesic Therapeutics Development (U19 Clinical Trial Not Allowed)	Preclinical and Translational Research in Pain Management	Sat. 03/27/2021	Wed. 10/1/2023	Thu. 03/11/2021
OTA-21-005	HEAL Initiative: EPPIC-Net Pain Research Asset Application (OTI)	Clinical Research in Pain Management	Tue. 09/03/2019	Tue. 09/03/2024	Thu. 02/25/2021



**Thanks to the HEAL
Initiative Meeting
Planning Teams**

THANKS!

HEAL Investigators Planning Team

- **Donald Penzien**, Wake Forest University
- **Jessica Robinson-Papp**, Icahn School of Medicine at Mount Sinai
- **Megan Irby**, Wake Forest University
- **Anton Bowden**, Brigham Young University
- **Marco Pravetoni**, University of Minnesota
- **Sandra Comer**, Columbia University
- **Faye Taxman**, George Mason University
- **Karen Derefinko**, University of Tennessee Health Science Center



THANKS! HEAL Scientific Team Leadership and Planning Team



Ivan
Montoya,
NIDA



Kentner
Singleton,
NIAID



Dave Clark,
NCCIH



Tisha Wiley,
NIDA



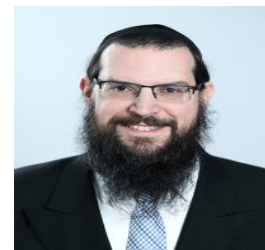
Michael
Freed, NIMH



Geetha
Subramaniam,
NIDA



Christine
Colvis,
NCATS



Michael
Oshinsky,
NINDS



Jane
Atkinson,
NCATS



Linda Porter,
NIDA



Drew Bremer,
NICHD



Michelle Freund,
NIDA

Meera Raja, OD



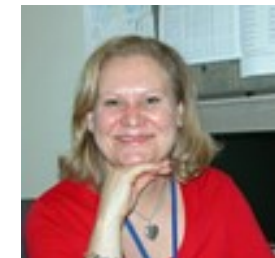
Michelle Rankin,
NIDA



Jennifer
Beierlein,
NINDS



Julie
Frost,
NIDA



Diana
Morales,
OD



Paul Kimmel, NIDDK



Emily Einstein, NIDA



Amy Goldstein, NIDA



Redonna Chandler,
NIDA



Emily
Caporello, NINDS



Wendy Weber, NCCIH



Cheryse Sankar, NINDS



Laura Biven, ODSS



Eric Hudak, NINDS



Petra Jacobs, NIDA



Will Aklin, NIDA



Shelley Su, NIDA

THANKS!

HEAL Scientific Team Leadership and Planning Team

- Ivan Montoya, NIDA
- Kentner Singleton, NIAID
- Dave Clark, NCCIH
- Tisha Wiley, NIDA
- Michael Freed, NIMH
- Geetha Subramaniam, NIDA
- Christine Colvis, NCATS
- Michael Oshinsky, NINDS
- Jane Atkinson, NCATS
- Linda Porter, NINDS
- Drew Bremer, NICHD
- Michelle Freund, NIDA
- Paul Kimmel, NIDDK
- Redonna Chandler, NIDA
- Cheryse Sankar, NINDS
- Petra Jacobs, NIDA
- Emily Einstein, NIDA
- Emily Caporello, NINDS
- Laura Biven, ODSS
- Will Aklin, NIDA
- Amy Goldstein, NIDA
- Wendy Weber, NCCIH
- Eric Hudak, NINDS
- Shelley Su, NIDA
- Michelle Rankin, NIDA
- Julie Frost, NIDA
- Jennifer Beierlein, NINDS
- Diana Morales, OD
- Meera Raja, OD
- Kim Williamson, RLA
- Greg Richards RLA



THANKS!

Meeting Co-chairs- A small but mighty team



Linda Porter, NINDS



Erin Spaniol, OD



Jack Stein, NIDA

THANKS!



Erin Spaniol, OD

Thanks! *NIH Executive Committee*



Francis Collins,
MD PhD, NIH
Director



Lawrence Tabak,
DDS PhD, NIH
Principal Deputy
Director



Walter
Koroshetz, MD,
NINDS Director



Nora Volkow,
MD, NIDA
Director



Diana Bianchi,
MD, NICHD
Director



Lindsey Criswell,
MD MPH DSc
NIAMS Director



Rena D'Souza,
DDS MS Ph.D
NIDCR Director



Joshua Gordon,
MD PhD, NIMH
Director



Helene Langevin,
MD, NCCIH
Director



Joni Rutter,
PhD, NCATS
Acting Director



Shannon Zenk, PhD,
MPH, RN, FAAN,
NINR Director

Extra

THANKS!

HEAL Scientific Team Leadership and Planning Team

- Ivan Montoya, NIDA
- Kentner Singleton, NIAID
- Dave Clark, NCCIH
- Tisha Wiley, NIDA
- Michael Freed, NIMH
- Geetha Subramaniam, NIDA
- Christine Colvis, NCATS
- Michael Oshinsky, NINDS
- Jane Atkinson, NCATS
- Linda Porter, NINDS
- Drew Bremer, NICHD
- Michelle Freund, NIDA
- Paul Kimmel, NIDDK
- Redonna Chandler, NIDA
- Cheryse Sankar, NINDS
- Petra Jacobs, NIDA
- Emily Einstein, NIDA
- Emily Caporello, NINDS
- Laura Biven, ODSS
- Will Aklin, NIDA
- Amy Goldstein, NIDA
- Wendy Weber, NCCIH
- Eric Hudak, NINDS
- Shelley Su, NIDA
- Michelle Rankin, NIDA
- Julie Frost, NIDA
- Jennifer Beierlein, NINDS
- Diana Morales, OD
- Meera Raja, OD
- Kim Williamson, RLA
- Greg Richards RLA

