

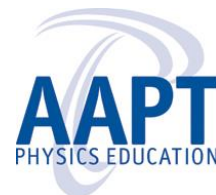
# Professional Development Programs for TYCs: New Faculty and DEI

Kris Lui, OPTYCs Program Director

Sherry Savrda, Dwain Desbien, Bob Hilborn, Rachel Ivie

Chesapeake Section of AAPT (Delaware State University, Dover, DE) – Spring 2024

This material is based upon work supported by the National Science Foundation under Grant No. 2212807. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.



**OPTYCs**



# The Organization for Physics at TYCs

- NSF grant (#2212807): July 1, 2022 – June 30, 2026
- \$3 million to create and sustain a national community
- AAPT is the fiduciary agent
  
- 4 co-PIs + 9 Program Coordinators
- 5 Advisory Board Members
- External Evaluation Team (Goshen)



**OPTYCs**



We envision  
a future in which  
TYC physics  
faculty and students  
**THRIVE.**

TYC faculty are embraced within and empowered by an inclusive national physics community.

---

TYC students experience excellent evidence-based physics instruction which prepares them for their future endeavours.

# Our Programs & Deliverables

## On-Going Programs

- Professional Development Workshops
- PER Translation & Facilitation
- Mentoring & Networking

## Cohort Programs

- New Faculty Development Series
- Leadership Institute
- Diversity, Equity, and Inclusion Capacity-Building Program

## Special Projects

- Tandem Meetings
- TYC Program Guidelines
- AIP Survey
- Digital Library & Archive



**OPTYCs**



# Our Programs & Deliverables

## On-Going Programs

- Professional Development Workshops
- PER Translation & Facilitation
- Mentoring & Networking

## Cohort Programs

- New Faculty Development Series
- Leadership Institute
- Diversity, Equity, and Inclusion Capacity-Building Program

## Special Projects

- Tandem Meetings
- TYC Program Guidelines
- AIP Survey
- Digital Library & Archive



# New Faculty Development Series

# New Faculty Development Series

## Goals:

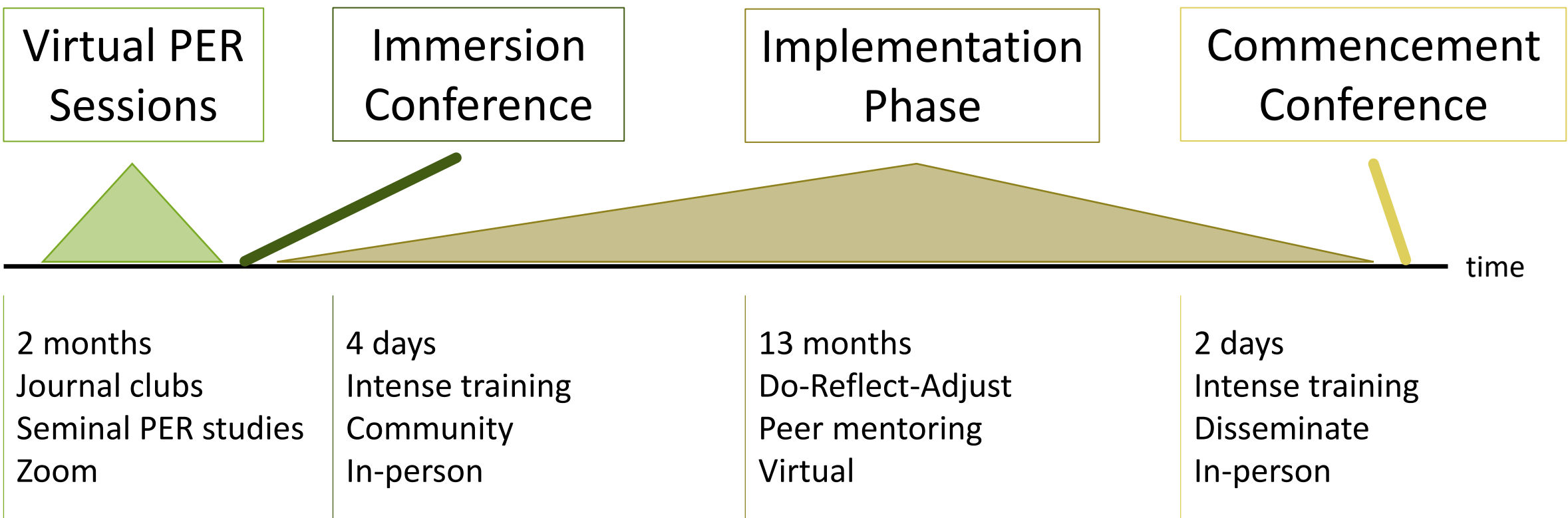
- To provide transformative training in teaching excellence
- To create a long-lasting peer network

## Model: New Faculty Training Experience (2012-2017)

- 18-month cohort-based program for TYC physics & astronomy faculty
- Mix of in-person and asynchronous work

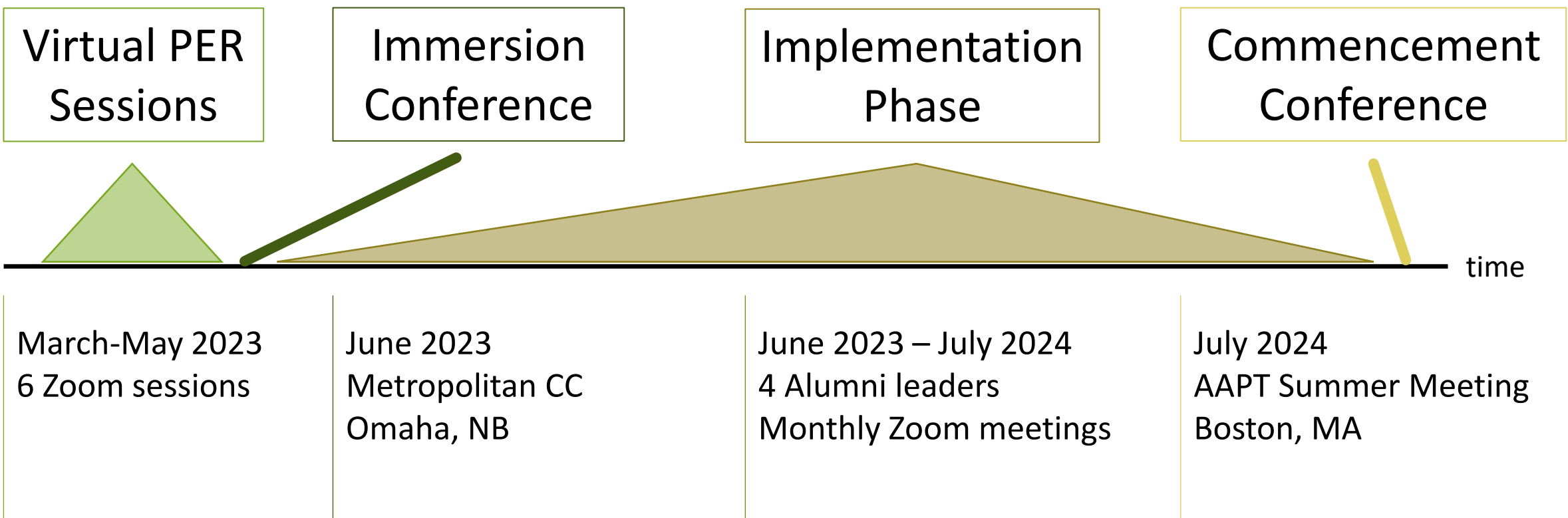


# New Faculty Development Series





# New Faculty Development Series – Cohort 1



**OPTYCs**



# New Faculty Development Series – Cohort 1

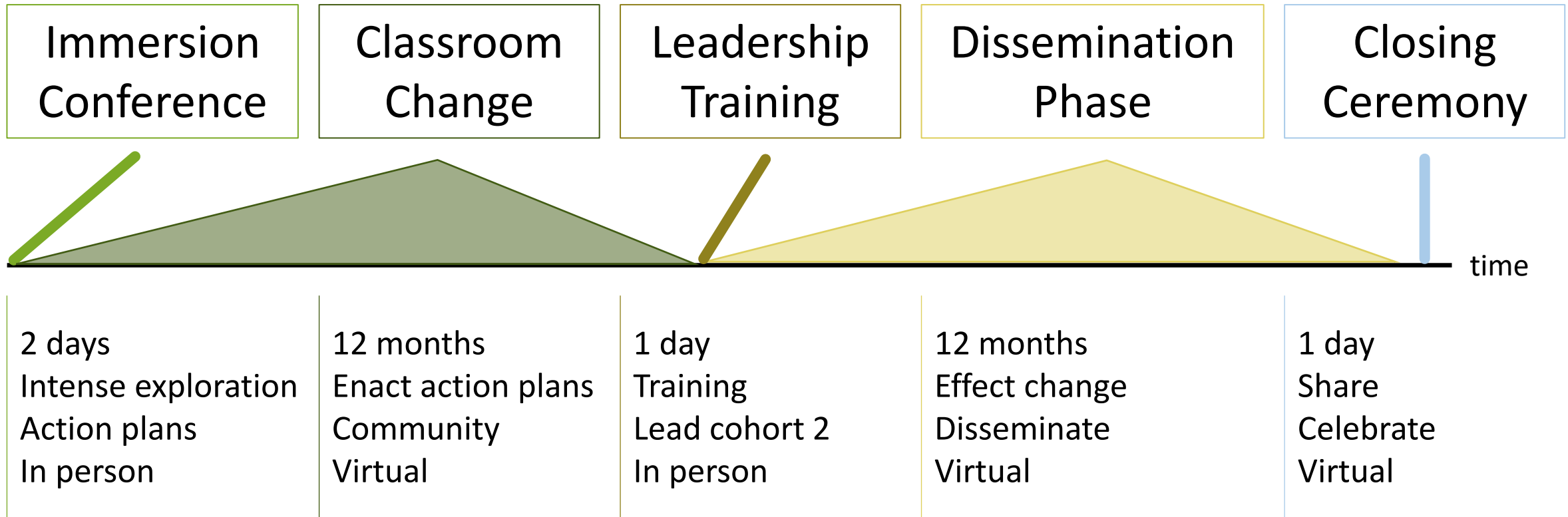


19 new TYC faculty  
4 alumni leaders  
4 program coordinators

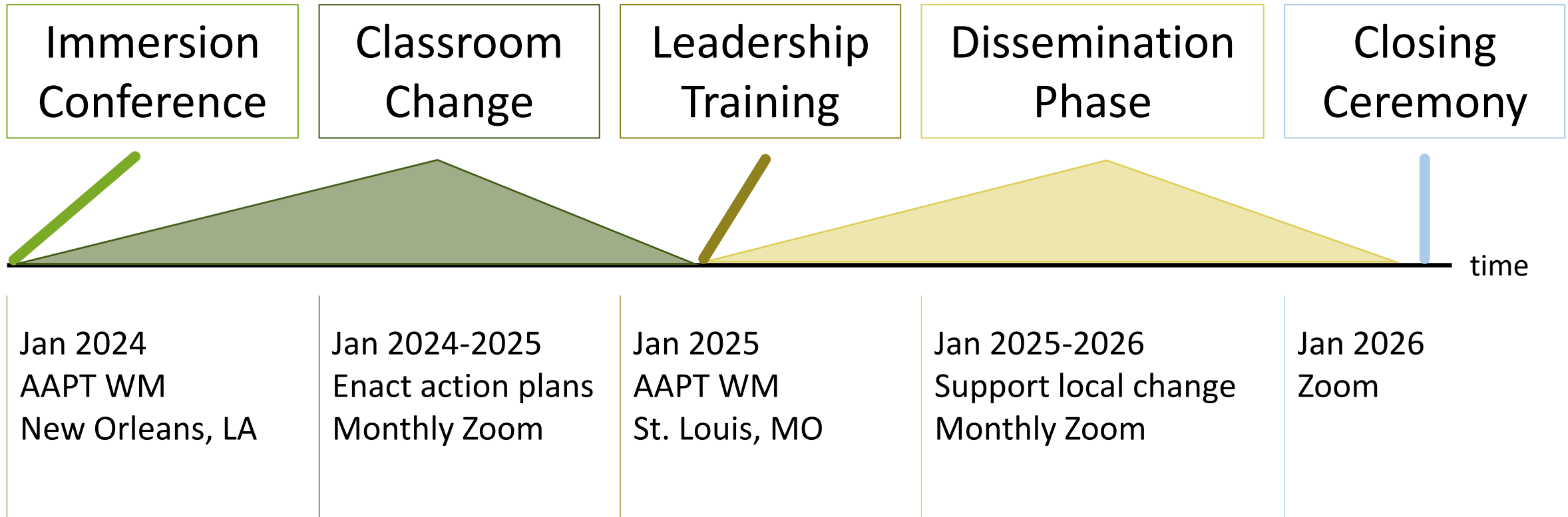
June 2023  
Omaha, NE

# DEI Capacity-Building Program

# DEI Capacity-Building Program



# DEI Capacity-Building Program – Cohort 1



**OPTYCs**





# DEI Capacity-Building Program – Cohort 1



11 TYC faculty  
4 program coordinators  
(not all pictured)

January 2024  
New Orleans, LA

# Interested in Cohort 2?

## New Faculty Development Series

- Applications open: Dec 2024
- Program runs: March 2025 – July 2026
- Eligibility: TYC Faculty in first 6 years

## DEI Capacity-Building Program

- Applications open: July 2024
- Program runs: January 2025 – 2027
- Eligibility: Any TYC faculty

<https://OPTYCs.aapt.org/>



**OPTYCs**



# Interested in other OPTYCs events?

You do not need to be TYC to participate in OPTYCs!



Email [OPTYCs@aapt.org](mailto:OPTYCs@aapt.org)

Website <https://OPTYCs.aapt.org/>

YouTube <https://www.youtube.com/@optycs5337>

Newsletter <https://optycs.aapt.org/spotlight/>



**OPTYCs**







# Our Programs & Deliverables

## On-Going Programs

- Professional Development Workshops
- PER Translation & Facilitation
- Mentoring & Networking

## Cohort Programs

- New Faculty Development Series
- Leadership Institute
- Diversity, Equity, and Inclusion Capacity-Building Program

## Special Projects

- Tandem Meetings
- TYC Program Guidelines
- AIP Survey
- Digital Library & Archive



**OPTYCs**



# Year 2: Mentorship & Networking Program

## Reduce Isolation & Improve Networking

- Traditional Mentoring
- Horizontal Mentoring (3-5 peers all seeking and providing guidance)
- Affinity Groups (time-limited focus on project or topic)

## Get involved

- Sign up on the website <https://OPTYCs.aapt.org>
- Reach out to us with request for a specific focus





Email [OPTYCs@aapt.org](mailto:OPTYCs@aapt.org)

Website <https://OPTYCs.aapt.org/>

YouTube <https://www.youtube.com/@optycs5337>

Newsletter <https://optycs.aapt.org/spotlight/>