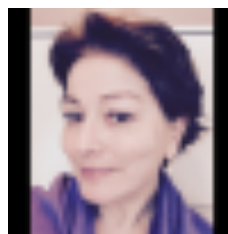# National Cancer Informatics Program Nanotechnology Working Group (NCIP NanoWG)

Kick-Off Discussion for the 2017-2018 NanoWG Series
Thursday September 14, 2017

Lead by NanoWG Leaders:

Stacey
Harper
OSU
Co-chair

Mervi
Heiskanen
NIH
facilitator

Christine
Ogilvie
Hendren
Duke
Co-chair

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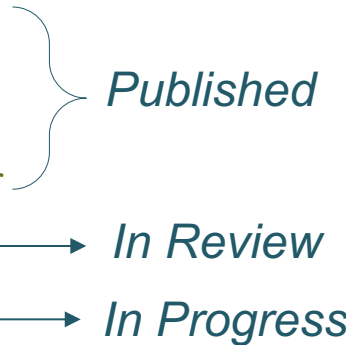
- Work products to date

- Ongoing efforts

- Path forward

Discussion!

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- Work products to date

  - NPO *Published*

  - ISA-TAB-Nano *Published*

  - Nanomaterial Data Curation Initiative

    - Curation Overview paper
    - Curation workflow paper *Published*
    - Data Quality and Completeness paper
    - Data Integration paper → *In Review*
    - Curator Responsibilities paper → *In Progress*

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- Ongoing efforts

  - Data Integration Pilot projects

    - N4Mics NBI-CEINT NIKC collaboration
    - Zeta Potential Guidance workshop and paper
    - ISA-TAB-Nano-Extended (more next week!)

    Published

  - EU-US NanoInformatics Roadmap

    - Ongoing work lead by Andrea Haase in EU and Fred Klaessig in US
    - Scheduled for completion by ~end 2017

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- ## Path Forward

  - ### Continued US & EU Integration

    - US-EU CORs
    - Continued expansion and utilization of ISA-TAB-Nano-Extended
    - Keeping aware of nanoinformatics developments more globally

  - ### Community-wide involvement in nanomedicine data standards project

    - National Cancer Institute Alliance Data Coordination

    - Inviting a broader array of stakeholders to generate an eNanoBook to capture data, lead by Fred Prior and Nanomaterial Registry PI Alex Tropsha and leveraging community-wide expertise to create a data collection and sharing tool

    - Based in NCI Alliance data but with intended impact and utility much more broadly throughout the nanomaterial data community, including journals

  - ### Data Integration Pilot projects – Continued!

    - CEINT NIKC and NanoFASE/NanoMILE/SERENADE
    - Do you have data integration projects on any scale? Need input/critique/help? Present here!
    - This has worked well for other work-product focused efforts, let's look for other symbioses.

Fall Line-up Reflecting the Path Forward

- ISA-TAB-Nano-Extended Community Input Session

- Nanoinformatics Roadmap Sessions

- NCI Alliance eNanobook Introduction and working sessions

- NCI Alliance partner presentations

- EU nanoinformatics partner presentations

- Consideration of IP protection as we move beyond standards that may be dataset agnostic, into data sharing projects that involve sharing people's protected information?