

Advancing Science for the Health of Women: 2019-2023 Trans-NIH Strategic Plan

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National Institutes of Health
Office of Research on Women's Health

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Today's Outline

- Strategic Plan Update
 - Background and timeline
 - Strategic plan framework
 - Strategic priorities
 - Foundational principles
- Outcomes of the ACRWH Strategic Plan Working Group
- Discussion on the Working Group Outcomes



ORWH Mission & Vision

27 Strategic Plans: Integrating Women's Health with Institute/Center Mission Areas

Mission

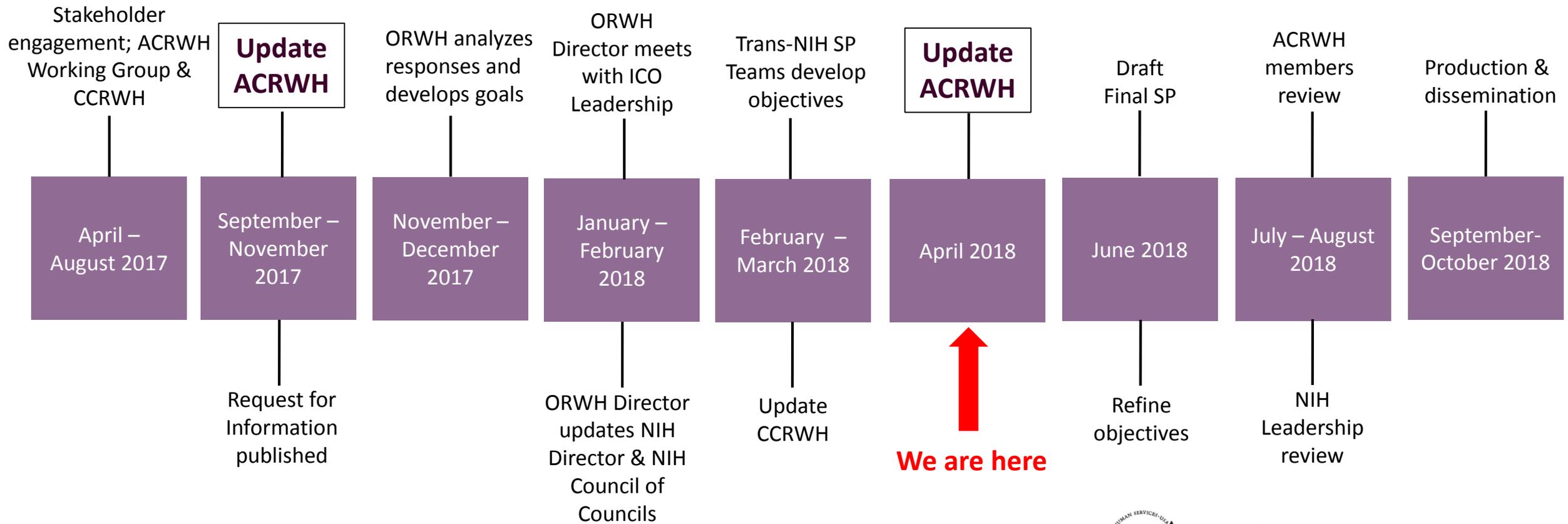
To enhance research related to diseases, disorders, and conditions affecting women; to help ensure that women are appropriately represented in biomedical research supported by the NIH; and to improve the advancement of women in biomedical careers.

TRANS-NIH
STRATEGIC PLAN
FOR WOMEN'S
HEALTH
RESEARCH

Vision

Sex and gender influences are integrated into the biomedical research enterprise; every woman receives evidence-based disease prevention and treatment tailored to her own needs, circumstances, and goals; and women in science reach their full potential.

Advancing Science for the Health of Women: 2019-2023 Trans-NIH Strategic Plan Timeline



RFI Methods & Engagement

- Sep. 12 – Nov. 10, 2017
- 145 Responses
- Extensive stakeholder engagement
 - ✓ Researcher 46%
 - ✓ Federal 18%
 - ✓ Advocate 17%
 - ✓ Clinician 15%
 - ✓ Other/Unknown 14%
 - ✓ Patient 7%
- Analysis - 45 categories



Federal Partners



(Pexels, CC0)



ADVOCACY



(Nick Youngson CC BY-SA 3.0)



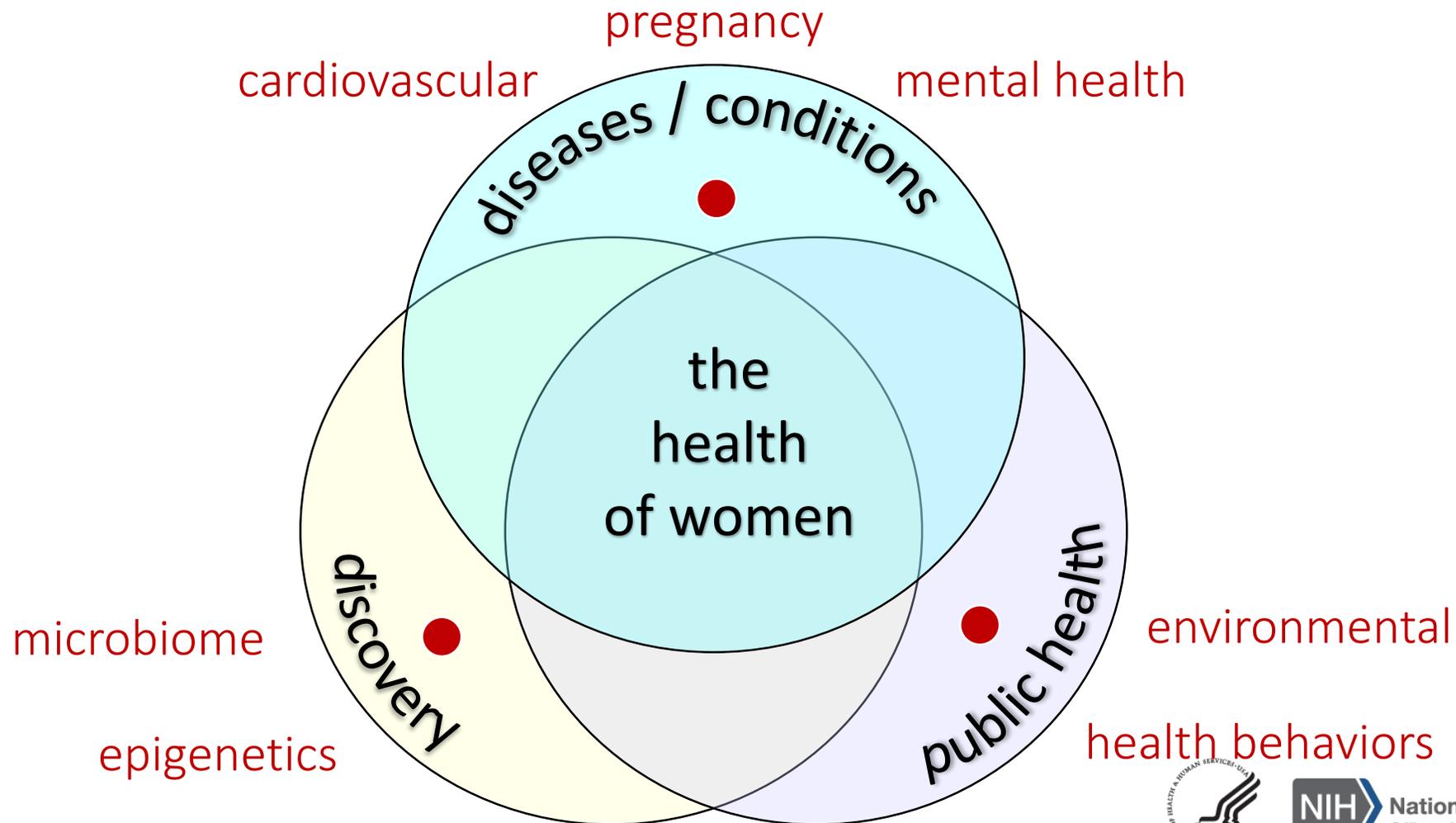
Categories Refined

45 broad categories represented:

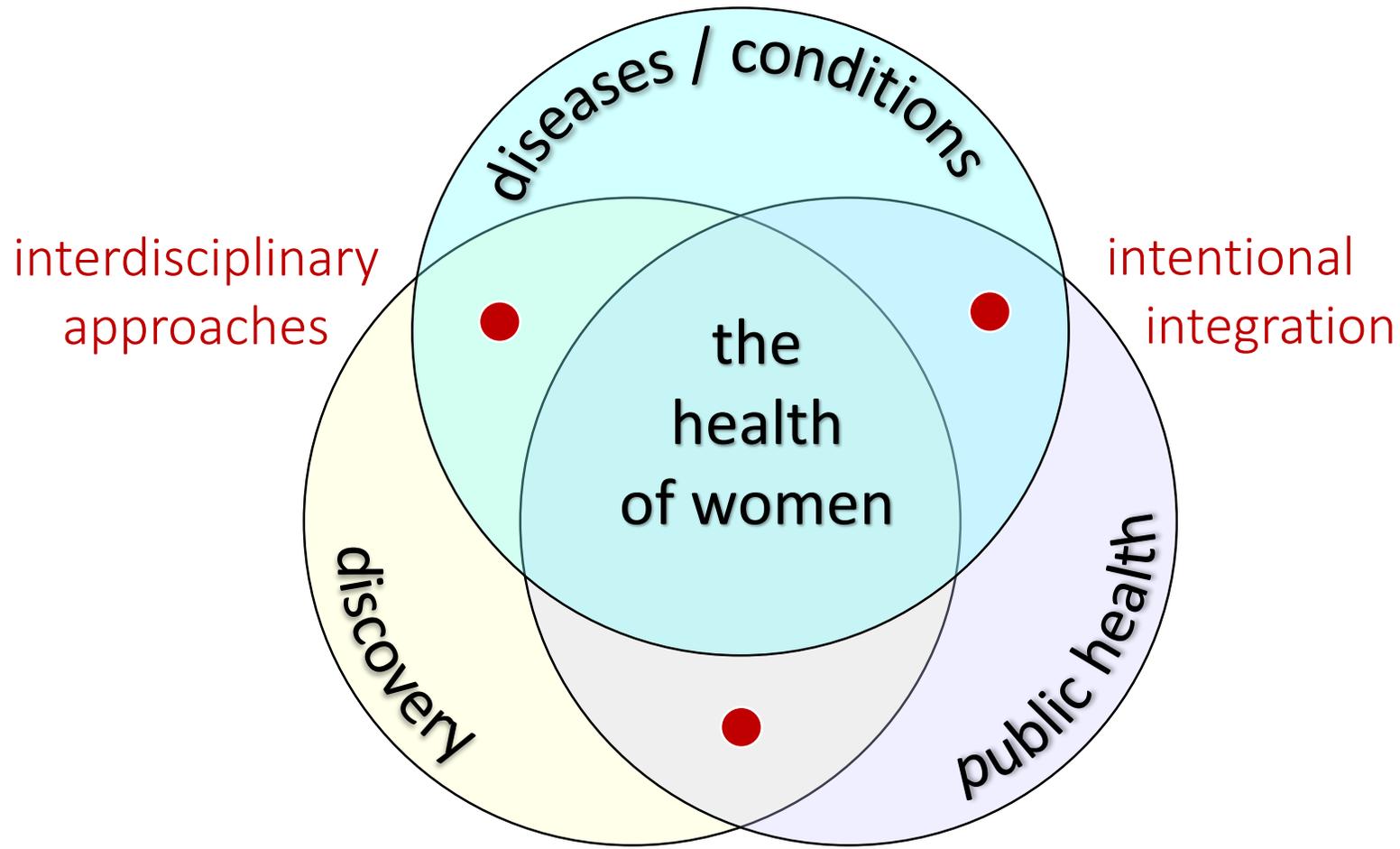
- Research topics e.g. Pregnancy
- Cross-cutting themes e.g. SABV, health disparities, team science, contextual factors, life-course
- Women in biomedical careers e.g. Training
- Policies that affect Women's health e.g. Inclusion
- Dissemination e.g. Sex specific results reporting
- Resources e.g. How to incorporate SABV in research
- Directives/processes e.g. Educate study sections



Synthesis of RFI Responses: *Research Topics: What to Study?*



Synthesis of RFI Responses: *Cross-Cutting Themes*



multidimensional consideration



Advancing Science for the Health of Women: *2019-2023 Trans-NIH Strategic Plan*

Foundational Principles for Research on Women's Health

Interdisciplinary Approaches

Intentional Integration

Multidimensional Considerations

Strategic Priorities & Goals

RESEARCH	METHODS	DISSEMINATION	CAREERS	EVALUATION
Identify & advance innovative & emerging areas of women's health research	Develop & enhance research methods & resources	Disseminate research on women's health	Promote recruitment, retention, re-entry & advancement of women in biomedical careers	Systematically monitor & improve NIH investments in women's health research

Strategic Objectives

Implementation Plan

Strategic Plan for Research on Women's Health Teams

Purpose:

To contribute to the development, implementation and dissemination of the Strategic Plan

Process & Structure:

2 Trans-NIH Think Tank Sessions

5 Teams, 70 members (& growing), representing all NIH and several ICOs

Co-chairs: ORWH & ICO staff

Strategic Priorities & Goals

RESEARCH	METHODS	DISSEMINATION	CAREERS	EVALUATION
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Strategic Objectives



Recommendation of our Advisors:

ACRWH Strategic Plan Working Group

Purpose:

- Refine & update essential elements of:
 - Women's Health & the Health of Women
- Develop essential elements of foundational principles:
 - Interdisciplinary approaches
 - Intentional integration
 - Multidimensional considerations



Outcomes of the ACRWH Working Group: *Women's Health*

The Health of Women -

Encompasses all aspects of health & disease accounting for sex & gender influences.

Women's Health Research is research that takes into consideration the health of women; studies that address the influence of sex/gender on any aspect of health & disease including reproductive health.



Outcomes of the ACRWH Working Group: *Multidimensional Framework*

The Health of Women Across the Life Course

External Factors – Women in Context

Social Determinants of Health, Policies, Gender, Environment, & Behaviors

Developmental Stages

Pre-
conception

In-Utero

Childhood

Adolescence

Adulthood

Early Middle Late

Internal Factors – Biological Perspective

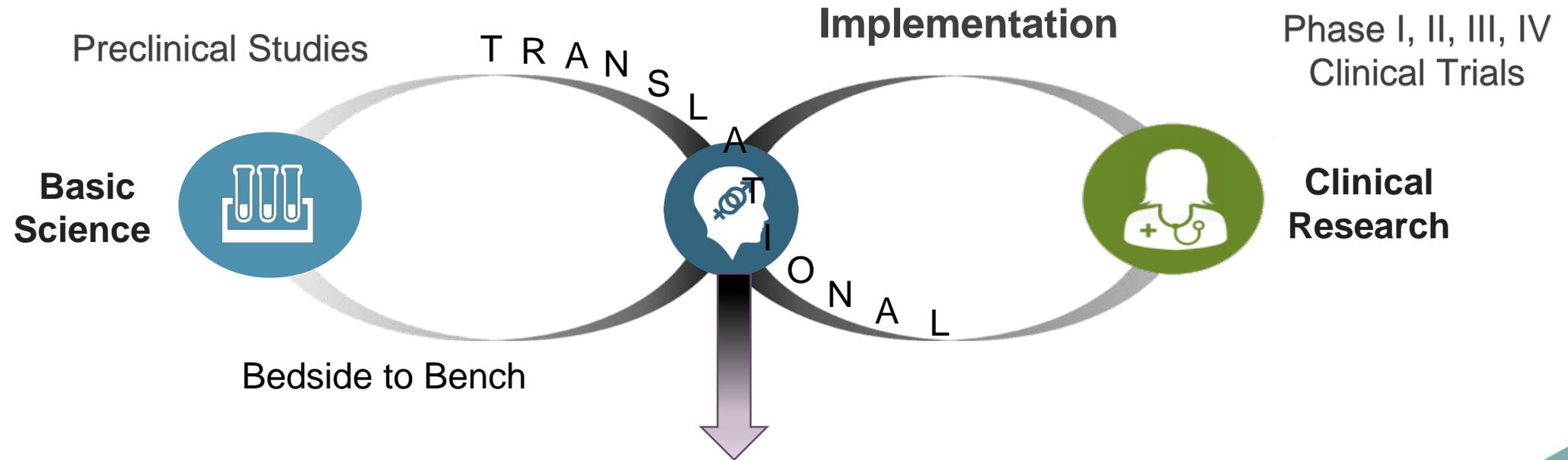
Sex influences at molecular, cellular, tissue, and organ levels

Interaction

Outcomes of the ACRWH Working Group: *Intentional Integration*

Accounting for Sex & Gender as a Biological Variable in Design, Analysis, Reporting

Health Promotion – Disease Prevention – Disease Management



Education

Health Policy

Health Care

Outcomes of the ACRWH Working Group: *Interdisciplinary Approaches*

Partnerships that collaborate across disciplinary boundaries.

Interdisciplinary Research:

A mode of research that integrates information, data, techniques, tools, perspectives, concepts, and/or theories from two or more disciplines or bodies of specialized knowledge to advance fundamental understanding, or to solve problems whose solutions are beyond the scope of a single discipline or area of research practice.

ORWH: Unique Role & Contribution

- Create opportunities for synergy between ICOs
 - Identify gaps in evidence, practice, & health
 - Convene interdisciplinary experts with common interests
 - Leverage co-funding resources with ICO partners
- Advise on the inclusion of women, minorities, & individuals across the life course in clinical research
- Promote the advancement of women in biomedical careers
- Provide a platform for intentional integration of sex & gender
- Advance a multidimensional view on the health of women



Next Steps:

Strategic plan teams refine objectives & summaries	June 2018
Next draft of strategic plan & ORWH review	July 2018
Provide strategic plan to ACRWH members	August 2018
Review & approval of final draft by NIH leadership	August 2018
Production of strategic plan	September 2018
Dissemination of strategic plan	October 2018



Working Group Members

Special Thanks

- **Christine Bachrach, PhD**
University of Maryland, College Park
- **Ana Maria Lopez, MD**
University of Utah
- **C. Noel Bairey Merz, MD**
Cedars-Sinai Medical Center
- **Amy Paller, MD**
Northwestern University
- **Carmen Green, MD**
University of Michigan
- **Judy Regensteiner, PhD**
University of Colorado
- **Mark Hayward, PhD**
University of Texas at Austin
- **Marcia Stefanick, PhD**
Stanford University





Discussion

Facilitator: Dr. Judy Regensteiner

- Do the foundational principles represent the essential elements to advance science for the health of women?
- General comments and questions:

