Multipurpose Prevention Technologies (MPTs): New reproductive health products on the horizon

Moderator:  John Townsend (Population Council)

Discussants:
Bethany Young Holt (IMPT)
Benedict Light (UNFPA)
Trisha Wood Santos (Bill & Melinda Gates Foundation)

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MPTs: A pipeline of promise

Bethany Young Holt, PhD MPH
IMPT | CAMI Health
Women’s Sexual & Reproductive Health Risks are Interlinked

- Unintended Pregnancy
- HIV
- Other Sexually Transmitted Infections (STIs)

Women need better protection
HIV, HSV-2, HPV, and Unmet Need for Modern Contraception among Women


*Principal component 1: HSV-2, HIV, and HPV by country and region.
**Principal component 2: Unmet need for modern contraception by country. See manuscript for full description of principal components analysis and methods.

Names and boundary representation are not necessarily authoritative.
Multipurpose Prevention Technologies (MPTs)

MPTs combine protection against:

- Unintended pregnancy
- HIV
- Other STIs
A Suite of Products is Needed

- Contraception + HIV & STI Prevention
- Contraception + HIV Prevention
- Contraception + STI Prevention
- HIV + STI Prevention
MPTs in the R&D Pipeline

- Vaginal rings
- Innovative vaginal delivery products
- Injectables and implant technologies
- Other novel technologies and platforms
## MPTs in Development

<table>
<thead>
<tr>
<th>Pregnancy &amp; HIV</th>
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<tbody>
<tr>
<td>BioRings™ IVR</td>
<td>Early Preclinical</td>
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<td>Dapivirine + LNG IVR</td>
<td>Advanced Preclinical</td>
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<th>Pregnancy, HIV &amp; Other STIs</th>
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<tr>
<td>Origami Female Condom</td>
<td>Phase III</td>
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<tr>
<td>PPCM SAMMA Gel</td>
<td>Early Preclinical</td>
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<tr>
<td>SILCS + MZC Gel</td>
<td>Advanced Preclinical</td>
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<td>Tenofovir + LNG IVR</td>
<td>Phase I</td>
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<th>Pregnancy &amp; Non-HIV STIs</th>
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<td>Amphora Gel</td>
<td>Phase II</td>
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Source: MPTs101.org/mpt-database
Initiative for MPTs
Health & Social Impact of MPTs

Women’s Health
SDG 3 & 5

Child & Family Health
SDG 3 & 5

Educational Attainment
SDG 4 & 5

Employment & Economic Benefits
SDG 1, 5 & 8
Learn more about MPTs at www.MPTs101.org
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Against the backdrop of the Sustainable Development Goals, the need for improved, affordable and more ‘fit for purpose’ reproductive health technologies has been highlighted.

-- Helen Rees