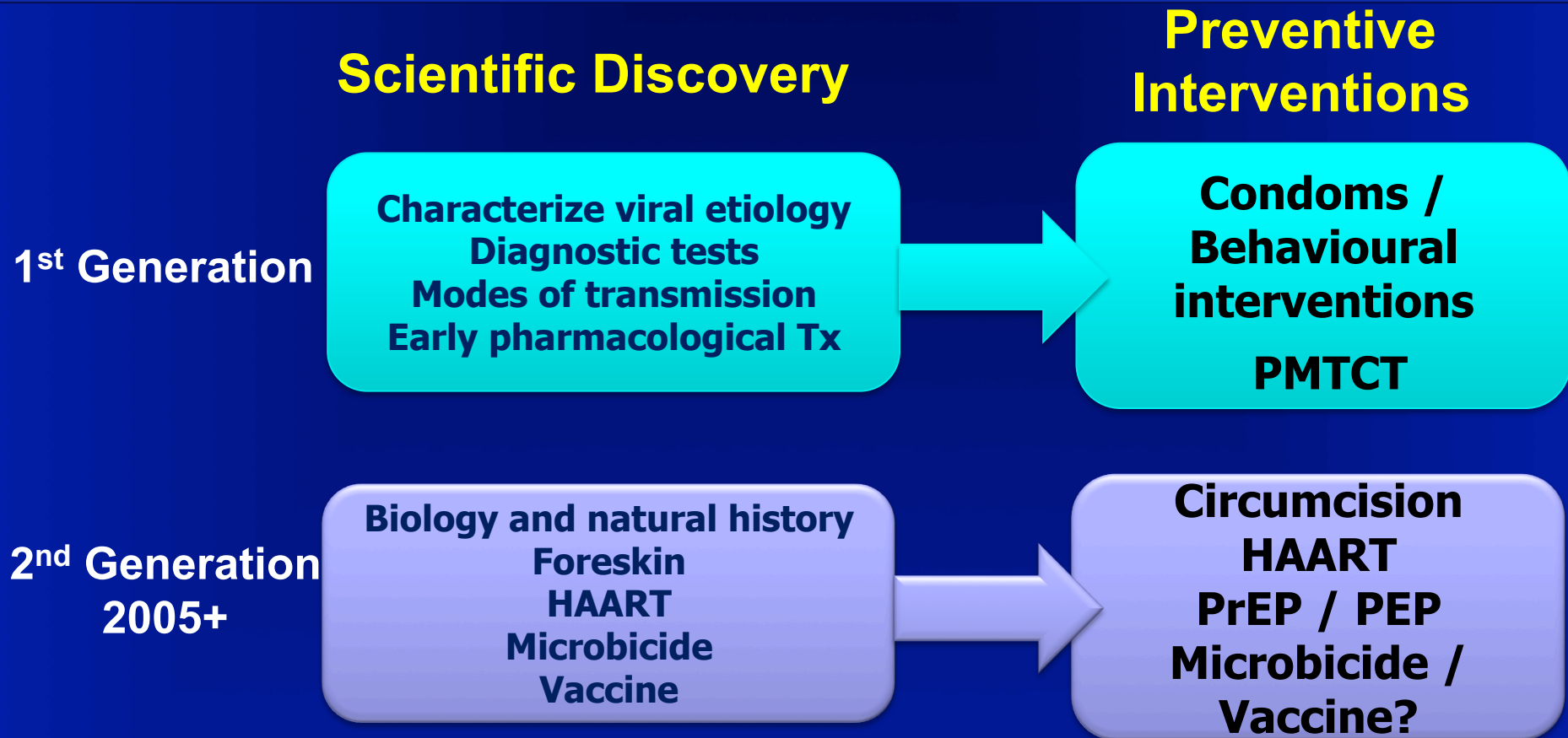


Implementation Research and Program Science

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Science and HIV prevention – a brief history



The challenge – converting scientific discovery into impact

- The primary focus of basic scientific discovery is on methods to interrupt HIV transmission at the individual level:
 - Direct person-to-person transmission
- The prevention challenge is how to convert efficacious interventions at the individual level into programs that will have an impact on the epidemic at a population level

Issues in achieving impact

- **Identifying effective interventions:**
 - Distinguishing between efficacy and effectiveness
- **Implementing interventions at sufficient scale:**
 - Retaining effectiveness
 - Efficiency and cost-effectiveness
- **Maximizing population impact:**
 - Setting prevention priorities and optimizing resource allocation according to epidemic characteristics
 - Selecting the right intervention mix
 - Targeting interventions to maximize efficiency and impact

Overview of the Symposium

Day 1

- “Implementation Research”
 - Issues in implementing specific interventions, scaling up and tailoring
- Program Science”
 - Issues of coverage and matching interventions to populations to maximize population impact

Day 2

- “Impact Evaluation”
 - Focuses on methods to evaluate the impact of interventions