



Forum for
Collaborative HIV Research

THE FORUM HIV CURE PROJECT: *FOCUS ON REGULATORY ISSUES*

***A COLLABORATIVE EFFORT TO MAP THE
REGULATORY PATHWAY FOR HIV CURE
STRATEGIES***

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ACKNOWLEDGMENTS

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Additional project support provided by:





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STEERING COMMITTEE

Co-Chairs:

- Daniel Kuritzkes, MD
- Veronica Miller, PhD

Community:

- David Evans
- Mark Harrington

Federal Government:

- Jeffrey Murray, MD, MPH
- Sarah Read, MD MHS PhD
- Paul A. Sato, MD, MPH
- Celia Witten, PhD, MD
- Carol Weiss, MD, PhD

Foundations:

- Stephen Becker, MD
- Rowena Johnston, PhD

Industry:

- Romas Geleziunas, PhD
- George Hanna, MD
- Daria Hazuda, PhD
- Winson Tang, MD, FACP

Academia:

- John Mellors, MD
- Jintanat Ananworanich, MD, PhD



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FORUM STAFF

- Erik Lontok
- Nivedha Panneer
- Courtney Hutchison (Year 1)
- Sonia Navani (Year 1)

Open

Accelerated Access to Innovative Medicines for Patients in Need

LG Baird¹, R Banken², H-G Eichler³, FB Kristensen⁴, DK Lee⁵, JCW Lim⁶, R Lim⁵, C Longson⁷, E Pezalla⁸, T Salmonson⁹, D Samaha², S Tunis¹⁰, J Woodcock¹¹ and G Hirsch¹

- Current “siloed” system increases development cost, time and risk
- Inefficient use of accelerated access programs
- FDASIA Legislation (2012): apply principles more broadly
- Increased cross-jurisdictional and cross-functional interaction
- Increased engagement of all stakeholders



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FORUM “PROCESS” IN DRUG DEVELOPMENT

- HIV
 - Clinical trial design
 - Recognition of new toxicities
 - Long term safety monitoring
 - Immune based therapies
 - Introduction of new drug classes (CCR5)
- HCV
- CMV-transplantation
- Liver fibrosis/NASH



CONTEXT

- Benefit-risk is cornerstone of regulatory process
- Enthusiasm balanced by efforts to ensure safety, decrease/manage risk
- Requires:
 - Clarity of purpose (clear communication of goals)
 - Consensus + evolving consensus
 - Maximum research efficiency through collaboration
 - Each patient's data contribution as valid and informative as possible



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SPECIFIC AIMS – YEAR 1 & 2

- Facilitate and advance HIV cure research by clarifying and resolving regulatory issues through multi-stakeholder dialogue
 - Provide an ongoing neutral and independent platform for targeted discussions with multi-stakeholder experts
 - Provide a productive mechanism for broader, public input on questions of acceptable risk, ethics, informed consent and appropriate populations
- **FORUM NICHE**
 - Regulatory Pathway: Facilitate FDA efforts for more systematic patient input on benefit-risk decision making (PDUFA V)



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YEAR 1: WORKING GROUPS

- #1: Biomarkers & Endpoints
 - John Mellors & Michael Miller
- #2: Clinical Trials – Benefit – Risk
 - Jintanat Ananworanich & Joe Eron
- #3: Patient education, recruitment & informed consent
 - David Evans & Tim Henrich



WORKING GROUP MEMBERS

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Jintanat Ananworanich	David Evans	Richard Jefferys	John Mellors	Seema Shah
Rachael Anatol	David Favre	Rowena Johnston	Mike Miller	Matt Sharp
Chuka Anude	Susan Fiscus	Filip Josephson	Veronica Miller	Jeff Sheehy
Jose Arribas	Kevin Fisher	Andy Kaytes	Ron Mitsuyasu	Adam Sherwat
Mark Bagarazzi	Joe Fitzgibbon	Damian Kelly	Paris Mullen	Neil Shortman
Stephen Becker	Charlie Flexner	Hans-Peter Kiem	Rob Murphy	Janet Siliciano
Gwen Binder-Scholl	Yuman Fong	Richard Klein	Jeff Murray	Kim Struble
Jacques Bollekens	Nicole Frahm	Rick Koup	Charles Nicolette	Jeremy Sugarman
Nicolas Chomont	Victor Garcia	Dan Kuritzkes	Una O'Doherty	Geoff Symonds
Mike Cohen	Sam Garner	Diane Lawrence	Lars Ostergaard	Winson Tang
Giulio Maria Corbelli	Romas Geleziunas	Michael Lederman	Cecile Peltekian	Jeff Taylor
Liza Dawson	Sara Goldkind	Sandi Nusinoff Lehrman	Deborah Persaud	Pablo Tebas
Lynda Dee	Cynthia Grossman	Yves Levy	Chris Petropoulos	Randy Tressler
Steve Deeks	George Hanna	Sharon Lewin	Carla Pettinelli	Kati Vandermeulen
Jim Demarest	Patrick Harrington	Jeff Lifson	Sarah Read	Mark Wainberg
Damon Deming	Mark Harrington	Bernard Lo	Harriet Robinson	Chris Ward
Carl Dieffenbach	Daria Hazuda	David Margolis	Anna Laura Ross	Carol Weiss
Tri Do	Gail Henderson	David A Margolis	John Rossi	James Whitney
Karine Dube	Tim Henrich	Javier Martinez-Picado	Asier Saez-Cirion	Celia Witten
Michael Egan	Carey Hwang	Steve Mason	Paul Sato	Brian Woodfall
Joe Eron	Ilan Irony	Julie McElrath	Tim Schacker	Jerry Zack



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Academia Community/Advocacy Federal Government Foreign Government Foundation Industry

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CHARGE TO WORKING GROUPS

- Formulate, review, and discuss specific questions
- Establish baseline: where is the field now?
- Record consensus where possible
- Recommend path forward for future consensus

Motto: Need to start somewhere

Take small steps – build on success



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REGULATORY PATH?

- Effect of strategy vs. “CURE”
 - Intermediate steps vs. end-goal
- Combination of strategies
 - What, when, how?
- Combination of experimental + approved
- Combination of experimental + experimental



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PROGRESS

- Document current status of field from a regulatory perspective
- Measurable definition of “cure”
- Risk mitigation strategies for clinical trials
- Components of appropriate informed consent
- Guidance on survey instruments to collect patient perception of benefit-risk



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JUNE 17: PUBLIC INPUT

- Opening by CBER director Karen Midthun
- Working groups reports and discussion
- Case studies
- 180+ in person /200+ webcast participants
- Post June 17
 - Project evaluation
 - Publication plan
 - Review/re-align



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SPECIFIC AIMS '14 – '15

- Clarify & resolve regulatory issues through multi-stakeholder dialogue
 - Independent/neutral platform for targeted discussions
 - Mechanism for broader public input of what is acceptable risk
- Community perception of HIV cure research & willingness to refer/participate



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SPECIFIC ACTIVITIES: WG EVOLUTION

- WG 1: Animal model working group
- WG 2: Network for focused/targeted discussion on specific strategies
- WG 3: Interdisciplinary research interaction



OTHER POTENTIAL ACTIVITIES

- Perceptions, beliefs and knowledge among patients, providers, communities and researchers
 - Influence on willingness to participate/refer
- Recruitment strategies for different patient populations
- Research interaction between social scientists, decision making science, behavioral economics, etc.



ADVANTAGES/CONTRIBUTION

- Increased efficiency of development
 - All parties in the room vs. one-one
- Signal that field is structured/poised to move ahead
 - Recruitment of new partners and collaborators
- Support and synergize with other ongoing efforts
 - Annenberg group, IAS, etc.