***Friday, October 10, 2014***

***Hyatt Regency, Bethesda, MD***

**Meeting Purpose**

The purpose of this workshop, sponsored by JDRF, is to present and discuss the current scientific understanding of the natural history of type 1 diabetes prior to the onset of symptomatic disease, inform clinical trial design, encourage the development of therapies for the early stages of type 1 diabetes, and aid regulatory decision-making.

**Objectives**

* Garner common understanding of current data on T1D risk detection, staging, and progression
* Discuss the design and optimization of intervention trials in the early stages of T1D
* Identify tools needed to improve staging and predict progression of T1D
* Discuss approaches to validate existing tools and develop new tools



**Agenda**

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| **8:00 – 8:30AM** | **Introduction** | Cynthia Rice, JDRF  Richard Insel, M.D., JDRF |
| **8:30 – 8:45AM** | **State of Type 1 Diabetes Today**  Epidemiology of Type 1 Diabetes | Dana Dabelea, M.D., Ph.D., University of Colorado |
| **8:45 – 9:45AM** | **Screening, Natural History and Risk Detection of the Early Stages of Type 1 Diabetes**  Overview of Natural History of Type 1 Diabetes: Lessons for Staging  Current Paradigms for Screening for Risk of Type 1 Diabetes   * Assessment of T1D Risk in Newborns * Public Health Screening for Early Type 1 Diabetes * Screening Relatives of Individuals with Type 1 Diabetes | *Moderator:* Judy Fradkin, M.D., NIH, NIDDK  Mark Atkinson, Ph.D., University of Florida, Gainesville  Marian Rewers, Ph.D., University of Colorado  Anette Ziegler, M.D., Helmholtz Zentrum Munich  Carla Greenbaum, M.D., Benaroya Research Institute |
| **9:45 –**  **10:00AM** | **Break** |  |
| **10:00AM – 12:00PM** | **Screening, Natural History, continued**  Predicting Rate of Progression in Type 1 Diabetes  Use of Risk Detection and Staging for Design of Prevention Clinical Trials  Benefits of Screening /Risk Detection  Moderated Panel Discussion | *Moderator:* Judy Fradkin, M.D., NIH, NIDDK  Jeffrey Krischer, Ph.D., University of South Florida  Carla Greenbaum, M.D., Benaroya Research Institute  Desmond Schatz, M.D., University of Florida, Gainesville  Panelists:  Mark Atkinson, PhD, University of Florida, Gainesville  Dana Dabelea, M.D., PhD, University of Colorado  Carla Greenbaum, M.D., Benaroya Research Institute  Jeffrey Krischer, PhD, University of South Florida  Marian Rewers, PhD, University of Colorado  Desmond Schatz, M.D., University of Florida, Gainesville  Anette Ziegler, M.D., Helmholtz Zentrum Munich |
| **12:00 – 1:00PM** | **Lunch Break** |  |
| **1:00 – 2:15PM** | **Biomarkers in the Early Stages of T1D**  Current and Candidate Biomarkers, Including Gaps and Challenges   * Biomarkers in the Early Stages of T1D * Current and Candidate Biomarkers for Staging of Progression in Early Stages of Type 1 Diabetes   Moderated Panel Discussion | *Moderator:* Jerry Nepom, M.D., PhD, Benaroya Research Institute  Ake Lernmark, Ph.D., Lund University  Kevan Herold, M.D., Yale University  *Panelists:*  Kevan Herold, M.D., Yale University  Jeffrey Krischer, Ph.D., University of South Florida  Ake Lernmark, Ph.D., Lund University  Courtney Lias, Ph.D., FDA, CDRH |
| **2:15 – 3:15PM** | **Recommendation for Classification of Early Stages of Type 1 Diabetes**  Staging of T1D  Moderated Panel Discussion | *Moderator:* Robert Ratner, M.D., American Diabetes Association  Richard Insel, M.D., JDRF  *Panelists:*  Eliot Brenner, Ph.D., The Leona M. and Harry B. Helmsley Charitable Trust  Jane Chiang, M.D., American Diabetes Association  Jessica Dunne, Ph.D., JDRF  Kevan Herold, M.D., The Endocrine Society  Marian Rewers, Ph.D., International Society for Pediatric and Adolescent Diabetes |
| **3:15 – 3:30PM** | **Break** |  |
| **3:30 – 4:30PM** | **Opportunities for Future T1D Prevention Research**  Moderated Panel Discussion | *Moderator:* Richard Insel, M.D., JDRF  *Panelists:*  Gina Agiostratidou, Ph.D., The Leona M. and Harry B. Helmsley Charitable Trust  Judy Fradkin, M.D., NIH, NIDDK  Jean-Marc Guettier, M.D. FDA, CDER  Robert Ratner, M.D., American Diabetes Association  Melissa Thomas, M.D., Ph.D., Lilly Research Laboratories |
| **4:30 – 4:45PM** | **Conclusions and Next Steps** | Cynthia Rice, JDRF  Richard Insel, M.D., JDRF |