***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, JDRFRichard 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 StagingCurrent 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, NIDDKMark Atkinson, Ph.D., University of Florida, GainesvilleMarian Rewers, Ph.D., University of ColoradoAnette Ziegler, M.D., Helmholtz Zentrum MunichCarla 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 DiabetesUse of Risk Detection and Staging for Design of Prevention Clinical TrialsBenefits of Screening /Risk DetectionModerated Panel Discussion | *Moderator:* Judy Fradkin, M.D., NIH, NIDDKJeffrey Krischer, Ph.D., University of South FloridaCarla Greenbaum, M.D., Benaroya Research InstituteDesmond Schatz, M.D., University of Florida, GainesvillePanelists:Mark Atkinson, PhD, University of Florida, GainesvilleDana Dabelea, M.D., PhD, University of ColoradoCarla Greenbaum, M.D., Benaroya Research InstituteJeffrey Krischer, PhD, University of South FloridaMarian Rewers, PhD, University of ColoradoDesmond Schatz, M.D., University of Florida, GainesvilleAnette 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 InstituteAke Lernmark, Ph.D., Lund UniversityKevan Herold, M.D., Yale University*Panelists:*Kevan Herold, M.D., Yale UniversityJeffrey Krischer, Ph.D., University of South FloridaAke Lernmark, Ph.D., Lund UniversityCourtney Lias, Ph.D., FDA, CDRH |
| **2:15 – 3:15PM** | **Recommendation for Classification of Early Stages of Type 1 Diabetes**Staging of T1DModerated Panel Discussion | *Moderator:* Robert Ratner, M.D., American Diabetes AssociationRichard Insel, M.D., JDRF*Panelists:*Eliot Brenner, Ph.D., The Leona M. and Harry B. Helmsley Charitable TrustJane Chiang, M.D., American Diabetes AssociationJessica Dunne, Ph.D., JDRFKevan Herold, M.D., The Endocrine SocietyMarian 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 TrustJudy Fradkin, M.D., NIH, NIDDKJean-Marc Guettier, M.D. FDA, CDERRobert Ratner, M.D., American Diabetes AssociationMelissa Thomas, M.D., Ph.D., Lilly Research Laboratories |
| **4:30 – 4:45PM** | **Conclusions and Next Steps** | Cynthia Rice, JDRFRichard Insel, M.D., JDRF |