

**AGENDA**  
**DMICC Workshop on Research Supported by the Special Statutory Funding  
Program for Type 1 Diabetes Research**

**May 5-6, 2011**

**MAY 5**

**8:30-8:40 am**

**Welcome and Introduction**

Griffin Rodgers, M.D., M.A.C.P., Director, NIDDK

**8:40-9:00 am**

**Overview of the Special Statutory Funding Program for Type 1 Diabetes Research**

Judith Fradkin, M.D., Director, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK

**TOPIC 1: AUTOIMMUNE ETIOLOGY & EPIDEMIOLOGY**

Primary Discussants: **Peter Gregersen, M.D.; R. John Looney, M.D.; David Nathan, M.D.; and Roland Tisch, Ph.D.**

Proposals for new initiatives

**9:00 - 9:15 am**

**Proposal 1: Function of Genes for Type 1 Diabetes**

Beena Akolkar, Ph.D., Senior Advisor, Immunopathogenesis and Genetics of Type 1 Diabetes, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK

**Primary discussant: Dr. Gregersen**

**9:15 - 9:30 am**

**Proposal 2: Ancillary Studies To Clinical Trials in Type 1 Diabetes**

Lisa Spain, Ph.D., Program Director, Immunobiology of Type 1 Diabetes and Autoimmune Endocrine Diseases, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK

**Primary discussant: Dr. Looney**

**9:30 - 9:45 am**

**Proposal 3: Developmental Exposure to Immunotoxicants and Endocrine Active Compounds and the Development of Type 1 Diabetes**

Jerrold Heindel, Ph.D., Chief, Cellular, Organ, and Systems Pathobiology Branch, Division of Extramural Research and Training, NIEHS

**Primary discussant: Dr. Tisch**

**9:45 - 10:00 am**

**Proposal 4: New Methods and Technologies for Identification of Individuals at Risk for Type 1 Diabetes**

Guillermo Arreaza-Rubín, M.D., Program Director, Clinical Immunology of Diabetes, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK;

**Primary discussant: Dr. Tisch**

**10:00 - 10:15 am**

**Proposal 5: Feasibility Study of the Use of Health Information Technology for Public Health Surveillance of Diabetes and Its Complications in the U.S. Youth Population**

Sharon Saydah, Ph.D., Senior Scientist, Division of Diabetes Translation, CDC

**Primary discussant: Dr. Nathan**

**10:15 - 10:35 am**

**Break**

Proposals for continuations/expansions of ongoing programs

- 10:35 – 10:55 am**      **Proposal 6: Type 1 Diabetes TrialNet**  
Ellen Leschek, M.D., Program Director, Type 1 Diabetes TrialNet, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussants: Dr. Looney, Dr. Nathan**
- 10:55 – 11:15 am**      **Proposal 7: Immune Tolerance Network (ITN)**  
James McNamara, M.D., Associate Director, Clinical Research Program, Division of Allergy, Immunology, and Transplantation, NIAID  
**Primary discussants: Dr. Looney, Dr. Gregersen**
- 11:15 – 11:35 am**      **Proposal 8: Cooperative Study Group for Autoimmune Disease Prevention**  
Thomas Esch, Ph.D., Program Official, Division of Allergy, Immunology, and Transplantation, NIAID  
**Primary discussant: Dr. Gregersen**
- 11:35 – 11:55 am**      **Proposal 9: The Environmental Determinants of Diabetes in the Young (TEDDY)**  
Beena Akolkar, Ph.D., Senior Advisor, Immunopathogenesis and Genetics of Type 1 Diabetes, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussants: Dr. Gregersen, Dr. Looney**
- 11:55 am – 12:40 pm**      **LUNCH**
- 12:40 – 1:40 pm**      **Topic 1 panel discussion led by primary discussants**

**TOPIC 2: CLINICAL MANAGEMENT**

Primary Discussants: **Suzanne Craft, M.D., Ph.D.; Georgeanna Klingensmith, M.D.; David Nathan, M.D.; Timothy Wysocki, Ph.D.**

Proposals for new initiatives

- 1:40 – 2:00 pm**      **Proposal 1: Clinical Trials To Improve Outcome in Type 1 Diabetes**  
Teresa Jones, M.D., Program Director for Diabetic Complications, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussants: Dr. Nathan, Dr. Klingensmith**
- 2:00 – 2:20 pm**      **Proposal 2: Improving Adherence in Adolescents and Young Adults with Type 1 Diabetes**  
Christine Hunter, Ph.D., Director of Behavioral Research, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussants: Dr. Wysocki, Dr. Klingensmith**
- 2:20 – 2:35 pm**      **Proposal 3: Training for Behavioral Scientists in Type 1 Diabetes**  
Christine Hunter, Ph.D., Director of Behavioral Research, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Craft**
- 2:35 – 3:15 pm**      **Topic 2 panel discussion led by primary discussants**
- 3:15 – 3:35 pm**      **Break**

### TOPIC 3: RESOURCES

Primary Discussants: **Alvin Powers, M.D.; Ann Marie Schmidt, M.D.; Megan Sykes, M.D.; Roland Tisch, Ph.D.; Todd Zion, Ph.D.**

#### Proposals for new initiatives

**3:35 - 3:50 pm**            **Proposal 1: Human Diabetes Tissue Consortium**  
Teresa Jones, M.D., Program Director for Diabetic Complications, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussants: Dr. Schmidt, Dr. Tisch**

#### Proposals for continuations/expansions of ongoing programs

**3:50 - 4:10 pm**            **Proposal 2: Type 1 Diabetes-Rapid Access to Intervention Development (T1D-RAID)**  
Myrlene Staten, M.D., Senior Advisor, Diabetes Translational Research, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Zion**

**4:10 - 4:30 pm**            **Proposal 3: Type 1 Diabetes Mouse Resource**  
Kristin Abraham, Ph.D., Senior Advisor - Model Systems and Resources, Division of Diabetes, Endocrinology, and Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Powers**

**4:30 – 4:50 pm**            **Proposal 4: Integrated Islet Distribution Program**  
Michael Appel, Ph.D., Program Director, Islet Biology and Transplantation Research, Division of Diabetes, Endocrinology, and Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Sykes**

**4:50 – 5:20 pm**            **Topic 3 panel discussion led by primary discussants**

**5:20 – 6:00 pm**            **Day 1 wrap-up discussion, led by Dr. Judith Fradkin, NIDDK**

## **MAY 6**

### **TOPIC 4: ARTIFICIAL PANCREAS**

Primary Discussants: **Robert Sherwin, M.D.; Todd Zion, Ph.D.**

#### Proposals for new initiatives

- 8:00 – 8:15 am**      **Proposal 1: Towards an Artificial Pancreas: Expansion of Support for Research to Develop New Therapeutics and Monitoring Technologies for Type 1 Diabetes**  
Guillermo Arreaza-Rubín, M.D., Program Director, Clinical Immunology of Diabetes, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Sherwin**
- 8:15 – 8:30 am**      **Proposal 2: Expansion of Support for the Testing of Current and Novel Closed Loop Systems through Clinical, Behavioral and Physiological Studies**  
Guillermo Arreaza-Rubín, M.D., Program Director, Clinical Immunology of Diabetes, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Zion**
- 8:30 – 8:45 am**      **Topic 4 panel discussion led by primary discussants**

### **TOPIC 5: BETA CELL REPLACEMENT**

Primary Discussants: **Ronald Gill, Ph.D.; Roland Tisch, Ph.D.; Megan Sykes, M.D.**

#### Proposals for continuations/expansions of ongoing programs

- 8:45 – 9:05 am**      **Proposal 1: Clinical Islet Transplantation Consortium (CIT)**  
Thomas Eggerman, M.D., Ph.D., Director, Clinical Islet Transplantation Program, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK; and Nancy Bridges, M.D., Chief, Transplantation Immunobiology Branch, Division of Allergy, Immunology, and Transplantation, NIAID  
**Primary discussant: Dr. Sykes**
- 9:05 – 9:25 am**      **Proposal 2: Collaborative Islet Transplant Registry (CITR)**  
Michael Appel, Ph.D., Program Director, Islet Biology and Transplantation Research, Division of Diabetes, Endocrinology, and Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Sykes**
- 9:25 – 9:45 am**      **Proposal 3: Non-Human Primate Cooperative Study Group (NHPCSG)**  
Kristy Kraemer, Ph.D., Section Chief, Transplantation Basic Sciences Section, Division of Allergy, Immunology, and Transplantation, NIAID  
**Primary discussants: Dr. Gill, Dr. Tisch**
- 9:45 – 10:15 am**      **Topic 5 panel discussion led by primary discussants**
- 10:15 – 10:30 am**      **BREAK**

## **TOPIC 6: DIABETES COMPLICATIONS**

Primary Discussants: **Peter Gregersen, M.D.; Trevor Orchard, M.B.B.Ch., M.Med.Sci., F.A.H.A.; Ann Marie Schmidt, M.D.; Lois Smith, M.D., Ph.D.**

### Proposals for new initiatives

- 10:30 – 10:45 am**      **Proposal 1: Seeing the Development of Diabetes Complications – Retinal Vessels as Biomarkers**  
Teresa Jones, M.D., Program Director for Diabetic Complications, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Smith**
- 10:45 – 11:00 am**      **Proposal 2: Sleep Health in Type 1 Diabetes**  
Daniel S. Lewin, Ph.D., D.ABSM, Program Director, Sleep Disorders Medicine, National Center on Sleep Disorders Research, Division of Lung Diseases, NHLBI  
**Primary discussant: Dr. Orchard**
- 11:00 – 11:15 am**      **Proposal 3: Sudden Cardiac Death in the Young: Population-Based Studies**  
Jonathan Kaltman, M.D., Medical Officer, Heart Development and Structural Diseases Branch, Division of Cardiovascular Sciences, NHLBI  
**Primary discussant: Dr. Orchard**
- 11:15 – 11:35 am**      **Proposal 4: Impact Awards for Complications of Type 1 Diabetes**  
Michael Flessner, M.D., Ph.D., Program Director, Inflammatory Renal Disease, Division of Kidney, Urologic, and Hematologic Diseases, NIDDK  
**Primary discussants: Dr. Schmidt, Dr. Orchard**
- 11:35 – 12:35 pm**      **LUNCH**

### Proposals for continuations/expansions of ongoing programs

- 12:35 – 12:55 pm**      **Proposal 5: Diabetic Retinopathy Clinical Research Network (DRCR.net)**  
Frederick Ferris, III, M.D., Clinical Director, Division of Intramural Research, NEI  
**Primary discussants: Dr. Smith, Dr. Gregersen**
- 12:55 – 1:15 pm**      **Proposal 6: Epidemiology of Diabetes Interventions and Complications (EDIC)**  
Catherine Cowie, Ph.D., Director, Diabetes Epidemiology Program, Division of Diabetes, Endocrinology, & Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Schmidt**
- 1:15 – 1:35 pm**      **Proposal 7: Diabetic Complications Consortium**  
Kristin Abraham, Ph.D., Senior Advisor - Model Systems and Resources, Division of Diabetes, Endocrinology, and Metabolic Diseases, NIDDK  
**Primary discussant: Dr. Smith**
- 1:35 – 2:35 pm**      **Topic 6 panel discussion led by primary discussants**
- 2:35 - 4:00 pm**      **Closing discussion led by Dr. Judith Fradkin, NIDDK**