

DRSG 1 – CAUSES OF DIABETES

Areas of work:

- Atypical diabetes
- C-peptide and its role in diabetes
- Cystic Fibrosis related diabetes
- Ethnicity and diabetes
- Gestational diabetes – phenotyping and stratification
- Heterogeneity in T2D
- MODY – incorrect diagnosis
- Novel imaging techniques in T1D
- Obesity prevention



Chair – Prof Rebecca Reynolds

As part of the [Type 1 Diabetes Grand Challenge](#), £1.5m of funding has been awarded to [Prof Sarah Richardson](#) (DRSG1 member), who is using state-of-the-art imaging techniques to study T1D pancreas samples to explore how beta cells defend themselves from immune attack

DRSG 2 – TYPE 1 DIABETES

Areas of work:

- Beta cell regeneration
- Closed loop, pump and CGM technology
- C-peptide and glucose variability
- Glucagon and its role in T1D
- Hormones in T1D
- Insulin resistance in T1D
- Mental health and T1D
- Prevention and population screening
- Patient Reported Outcome Measures (PROMs) and quality of life



Chair – Prof Colin Dayan

DRSG 3 – TYPE 2 DIABETES

Areas of work:

- **Diagnosis journey** in T2D
- **Diet** and diabetes management
- **Health inequalities** for ethnic minorities
- **Psychological disorders and primary care** in T2D
- **Remission of T2D**
- **Second-line treatment strategies** for T2D
- **Treatment stratification**



Chair – Prof Jason Gill

NewDAWN, a project to help more people with T2D achieve remission, received a £2.2m grant from Diabetes UK and NIHR

DRSG 4 – ACUTE CARE

Areas of work:

- **Preventing harm** in acute care
- **Machine learning** to identify high-risk patients
- **Training schemes**
- **Pregnancy and diabetes** in inpatients
- **Covid-19's impact** on inpatient diabetes care
- **Capacity building** in inpatient diabetes research
- **Technology** to support acute care
- **Glycaemic measurements** and their use in acute care
- **PROMS**



Chair – Prof Gerry Rayman

DRSG 5 – LIVING WITH DIABETES LONG TERM

Areas of work:

- **Capacity building** in T1D and ageing
- **Food security** and diabetes
- **Menopause** and diabetes management
- **Mental health and dementia** in PLWD
- **Pancreatic forms of diabetes**
- **Remote consultation**
- **Structured education**
- **Supporting families** of PLWD



Chair – Prof Mark Evans

DRSG 6 – COMPLICATIONS

Areas of work:

- **Amputation** prevention
- **Covid-19's impact** on complication screening and care
- **Dementia** and diabetes
- **Dental health** and diabetes
- **Integrated care** of diabetes complications
- **Neuropathy** prevention
- **Polypharmacy** in diabetes
- **Sexual well-being** and diabetes
- **Shared mechanisms** of diabetes complications
- **Sight loss** prevention



Chair – Prof Martin Rutter

MiFoot, a project which aims to prevent CVD complications in people living with T2D, received £2.1m in funding from Diabetes UK and NIHR

DRSG 7 – CHILDREN AND YOUNG PEOPLE

Areas of work:

- **Barriers to technology** in Children and Young People
- **Involving children and young people** in research
- **Health inequalities** for children and young adults with T2D
- **Mental health and diabetes technology** in young people



Chair – Prof May Ng,
OBE

WORKSHOPS

The DRSG priorities have also informed a number of workshops facilitated by Diabetes UK. The following workshops have resulted in position statements and research recommendations:

[Health inequalities in diabetes](#)

[Ageing well with diabetes](#)

[Remission in Type 2](#)

[Transforming mental wellbeing for people with diabetes](#)

[Diabetes and physical activity](#)