INNOVATIVE CENTER TO DEFEND DIABETES
Data confirmed that despite everyone’s effort, the epidemic is getting worse. This growth can be observed by the increase of persons affected, in particular with an important growth of children with type 1 diabetes and people with type 2 diabetes: including children and teenagers, as well as on the number of people ignoring that they are sick. The consequence is an inevitable rise of financial expenditures. These numbers are alarming since no population seems to be spared.

Emeritus Professor at the Strasbourg University and Founding-President of the European Diabetes Study Center (CeeD), I have made this fight against diabetes my lifelong battle. Very early, when I started as a clinician in Strasbourg, capital of a French region very affected by diabetes for historical reasons, and also as Research Professor, head of service at the Strasbourg University Hospital, ... I tried to set up and develop all innovative solutions that could help prevent the disease. Improve patient care and transform the quality of life of men and women suffering from this disease. In addition to my University Professor and hospital practitioner functions, nearby patients and their distress. My activity as researcher allowed me to understand the importance and the necessity to develop a translational institute centered on diabetes gathering research and its value, care organization, but also prevention, screening programs, and courses to face the challenge of the exponential increase of diabetes.

I achieved this concept in 1991 by creating the European Diabetes Study Center (CeeD), an organization gathering today about 60 people all professions included (doctors, researchers, sport related medical caregivers, psychologists, nutritionists, nurses, technicians, engineers...) working together to meet the challenges that diabetes never stops launching us: increasing public awareness about this pathology, to make the patients everyday life easier, to fight the disease with one goal: defeat diabetes!

In order to continue and complete this long-term approach, I initiated in 2016 together with Dr. Karim Bouzakri, the organization of a translational congress of international scope, representing the Ceed, with the objective of bringing together medical and scientific communities in the field of diabetes. Named EuroDia Meeting, this congress induces a moment of exchange, sharing last outstanding progresses which could change the life of patients and their future.

Here is a short presentation of our activities, which will allow you to know us a little better!
Created and managed by Pr Michel Pinget, Emeritus Professor from the Strasbourg University and subject expert, the center is today recognized as a public benefit organization, certified by the Minister of Higher Education and Research, and accredited by the Strasbourg University as one of its certified research center. Our team composed of more than 60 people employed in different structures, specialized in diabetes and associated pathologies, having complementary areas of expertise, and whose functioning is based on mutualized resources and competences.

The medical and scientific teams of this resourceful and innovative center in Strasbourg are implementing a global strategy against diabetes in order to make patients life easier and bring tomorrow’s solutions:
RESULTS AND PROJECTS

- **2002**: Creation of the first French health service provider specialized in diabetes - [www.asdia.fr](http://www.asdia.fr)
- **2011**: Creation of **Defymed start-up**, to develop the MAILPAN®, an implantable medical device for the encapsulation of insulin-secreting cells - [www.defymed.com](http://www.defymed.com)
- **2015**: Preclinical validation of orally administered insulin, ORAIL, implementing production processes on an industrial scale
- **2018**: Launching of **CEED Formation**, a Training Institute dedicated to health and medical research professionals - [www.ceed-formation.org](http://www.ceed-formation.org)

After these 4 successes, our teams are now committed to 3 new promising projects.

**MUSCLE, AN ENDLESS SOURCE OF THERAPEUTIC APPROACHES**

Physical inactivity is nowadays considered as first avoidable mortality cause in the world. By studying mechanisms that could explain benefits of physical activity for diabetics, our research teams want to identify precisely and isolate molecules issued by the muscle that protect pancreas from diabetes attacks.

**GOAL**: develop treatments for diabetics and for all people with diabetic risk factors

**OPTIMIZATION OF THE ISLETS TRANSPLANT**

It is a promising therapeutic solution, which allows restoring on a mid-term basis (2 to 10 years) an insulin independence, which means all pancreas functions for a type 1 diabetic patient. Nonetheless, this therapy still has numerous limits. Since the first transplant, 18 years ago, this procedure profited to very few diabetic persons. Because it is still restricted to patients suffering from severe hypoglycemia, who thus have a short life expectancy

**GOALS:**
- optimize the procedure in order to maximize its chance of success
- expand to a greater number of patients.

**A TELEMEDICINE PLATFORM**

Diabetic patients are using medical technologies on a daily basis, which makes telemedicine appropriate for diabetes care. To optimize its use, our clinical team develops a global and turnkey solution, combining a web platform and patient app with a dedicated medical team.

**GOALS:**
- increase diabetes control as preventing complications and unnecessary hospitalizations
- provide continuous monitoring and personalized care
- ease patients and family’s everyday life
- optimize healthcare professionals working conditions