3. 83587201-0 (PI: Koutrakis) - EPA grant (ACE Center)
   12/01/2015 - 11/30/2020
   Regional Air Pollution Mixtures: The Past and Future Impacts of Emission Controls and Climate Change on Air Quality and Health

   The overarching goal of this Center is to generate new scientific knowledge on past and future US in air quality and the associated health impacts. Specifically, we will investigate the sources, composition, trends and effects of regional air pollutant mixtures across the US over a relatively long chronological period span- ning past and future years (2000-2040), and will examine the influence of climate, socioeconomic factors, policy decisions, and control strategies on air pollution, human health and economic outcomes.
   Role: Co-Investigator

4. swissuniversities (PI: Choirat)
   01/01/2020 - 21/31/2020
   Easy FAIR: Supporting the adoption of FAIR and reproducible digital scholarship with Renku

   The World Wide Web and digital technologies are fundamentally changing how scientific knowledge is produced, disseminated and preserved. This transformation represents an opportunity to make the scientific en- deavor more transparent, inclusive, collaborative, reproducible and impactful. However, research in the digital age requires new standards, tools and infrastructures, as well as a new set of research skills. The change is reflected by new requirements from funders, journals, from the research community in general, as well as society at large. Supporting researchers active in Swiss institutions in their adoption of digital best practice is necessary to guarantee they produce research results of the highest quality and impact.
   Role: Principal Investigator

5. EPFL Open Science Fund (PI: Unser)
   01/08/2020 - 02/28/2021
   Interdisciplinary Collaborations in Imaging at EPFL: A Pilot Project with RENKU

   The present project is a collaboration between Imaging@EPFL and the Swiss Data Science Center (SDSC). It aims at the evaluation of how the open-source platform RENKU can facilitate the sharing of data, meta- data, and code within the imaging community at EPFL. Concretely, we shall extensively test and improve RENKU in a series of collaborations that will involve two (or more) imaging laboratories with complementary skills. In parallel, we shall build a repertoire of reproducible, reusable, and well-documented image-processing workflows, and make them accessible to the whole imaging community. A range of new features in RENKU will be developed throughout the project to support these objectives. Of central importance is the definition of a common language (ontology) to describe the vast and heterogeneous world of imaging at EPFL. The widespread adoption of a transparent environment for interactive research can have a huge impact for EPFL, as the imaging community represents about a quarter of its laboratories (80+ groups). Role: Co-Principal Investigator

6, TU Graz

The main research areas of the Institute of Theoretical Computer Science at TUGRAZ are algorithm design, machine learning, spiking neural networks, computational neuroscience. It currently has 3 Professors, 3 University Assistants, 1 System Administrator, 2 Administrative Assistants, and 15 Phd students. The focus of the group of Wolfgang Maass is on computation and learning in networks of spiking neurons and other innovative computing paradigms.