

Fully Funded PhD | University of Cyprus (UCY) | Nicosia, Cyprus | mail to Christos Nicolaidis nicolaides.christos@ucy.ac.cy

Fully funded research assistant position available through the Marie Curie ETN program "RAIS: Real Time Analytics for the Internet of Sports" (<https://rais-itn.eu>). The fellow will be based in Social Analytics and Networks Lab (<https://www.nrg.ucy.ac.cy>) at University of Cyprus advised by Christos Nicolaidis and co-advised by Dean Eckles from MIT Sloan School of Management. The fellow will register as a PhD student at UCY and will focus in the research area of "Habit Formation and Social Influence in Exercise." The fellow will further be benefited by collaborations with innovative companies in USA and Europe. We are looking for candidates with experience and research interests in one or more of the following topics: computational social science, data analytics, complex systems, causality, network analysis or other related fields. **Benefits:** Marie Curie fellows enjoy good salaries and working conditions, career development opportunities and work-life balance. We especially encourage women researchers to apply for the aforementioned positions. The monthly salary of a PhD student under Marie Curie RAIS ITN scheme at UCY is expected to be approximately 3,300 EUR per month before the tax. For Marie Curie fellows with family ('Family' means persons linked to the researcher by marriage (or a relationship with equivalent status to a marriage recognised by the legislation of the country where this relationship was formalized) or dependent children who are actually being maintained by the Marie Curie fellow), a 500 EUR monthly family allowance will be given. Marie Curie fellows will also get coverage of expenses related to the participation in research and training activities (contribution to research-related costs, meetings, conference attendance, training actions, etc.). (<https://rais-itn.eu/>)



1st PhD year | Max Planck Institute for Demographic Research | Rostock, Germany

The European Doctoral School of Demography ESD is an eleven-month sponsored program that is offered every year aiming to provide students in the first year of their doctoral studies with an appropriate high-level education in demography. Students will acquire a solid knowledge base on the causes and consequences of demographic change, population data, statistical and mathematical demography, as well as modelling, simulation, and forecasting. The School's courses are structured in such a way that the students work on the precise formulation of a thesis topic and early steps of their dissertations. Many of the School's courses concentrate on strengthening the quantitative and programming skills of the students. The language of the School is English. In the 2019/20 and 2020/21 academic years, the School will be held at two different locations. The preparatory courses (September and October) will be offered at the Max Planck Institute for Demographic Research in Rostock, Germany. The core courses (November until end of July) will be held at the Centre for Demographic Studies (Centre d'Estudis Demogràfics – CED) at the Universitat Autònoma de Barcelona, Spain. Application: The application deadline for academic year 2019–20 was 15 April 2019. The application deadline for academic year 2019–20 will probably be 15 April 2020 (to be confirmed). (<https://www.eds-demography.org/>)



Internship during PhD | Max Planck Institute for Demographic Research (MPIDR) | Rostock, Germany | mail to michaelis@demogr.mpg.de

The Laboratory of Digital and Computational at the MPIDR offers scientists from Germany and abroad the opportunity to spend some time working at the Institute as an intern. As a participant, you have a workstation at the Institute and receive support in all aspects of daily and scientific life. You are also welcome to take an active part in the academic and social life of the Institute. Applicants should be enrolled in a PhD program in one of the following (or related) areas: Demography | Data Science | Computer Science | Statistics | Economics | Sociology | Geography | Applied Mathematics | Public Health | Public Policy; Applicants' substantive topic of research should be located in one of the following (or related) areas: Migration and mobility | Population aging and generational processes | Social and environmental processes and population dynamics. (https://www.demogr.mpg.de/en/laboratories/digital_and_computational_demography_5555/default.htm)

PhD | Max Planck Institute for Demographic Research (MPIDR) | Rostock, Germany

The International Max Planck Research School for Population, Health and Data Science (IMPRS-PHDS) is a new and unique three-year doctoral program that merges demography, epidemiology and data science. The PHDS school equips doctoral students not only with advanced knowledge of the theory and methods of demography and epidemiology (broadly defined as 'population health'), but also with strong technical skills in statistics, mathematical modelling, and computational and data management methods (broadly referred to as 'data science'). IMPRS-PHDS is hosted at the Max Planck Institute for Demographic Research in Rostock, Germany. Founded in 2019, the school receives core support from the Max Planck Society, MPIDR, University of Rostock, and eight affiliated institutions. It does not charge fees and makes available about 15 three-year PhD positions every year. The school's curriculum is targeted to pre-doctoral students entering the School with a Master's or equivalent degree and offers strong interdisciplinary research training in population, health and data science | high quality supervision across at least two institutes | extensive networking opportunities across 10 partner sites in Europe and the U.S. | a core training program at the MPIDR. **Application:** In the school's inaugural year in 2019, application is restricted to current doctoral students from the 12 participating institutions. The first open call for applications will be publicized in spring 2020. (<https://www.imprs-phds.mpg.de>)

PostDoc | Max Planck Institute for Demographic Research (MPIDR) | Rostock, Germany

The Max Planck Institute for Demographic Research (MPIDR) is on a rolling basis recruiting highly qualified Post-Docs/Research Scientists, at various levels of seniority, to join the Laboratory of Digital and Computational Demography. The Lab, headed by MPIDR Director Emilio Zagheni, is regularly looking for candidates with a background in Demography, Data Science, Computer Science, Statistics, Economics, Sociology, Geography, Applied Mathematics, Public Health, Public Policy, or related disciplines. Successful candidates typically have a PhD and conduct cutting-edge research that produces methodological advances in the field of Digital and Computational Demography and/or answers important questions in the following key substantive areas of demography: (i) Migration and mobility; (ii) Population aging and generational processes; (iii) Social and environmental processes and population dynamics. Examples of project areas relevant for the Lab include (but are not limited to): Combining traditional data sources as well as those that emerge from the digitalization of our lives to study demographic processes, like migration, fertility, health and well-being, intergenerational relationships and gender disparities. | Developing innovative forms of data collection for demographic research (e.g., surveys via web and social media advertisement platforms, or data collected via sensors, tracking devices, mobile phone apps, or crowd-source approaches). | Developing simulation models of individual choices and population-level processes to produce new insights on demographic dynamics and advance population theory. | Evaluating the impact of the digitalization of our lives on demographic behavior and population processes. | Modelling, estimating and predicting the relationships between environmental change, demographic processes and disease dynamics. More information about the Lab of Digital and Computational Demography: (https://www.demogr.mpg.de/en/laboratories/digital_and_computational_demography_5555/default.htm). (https://www.demogr.mpg.de/en/education_career/jobs_fellowships_1910/default.htm)

PostDoc | The Department of Medicine and the Chicago Center for HIV Elimination at The University of Chicago | Chicago, USA | mail to Aditya Khanna akhanna@medicine.bsd.uchicago.edu



A central characteristic of the successful candidate's research program will be its integration of advanced computational methods to improve outcomes in populations impacted by: (1) HIV and sexually transmitted diseases (STDs); (2) substance use disorder and (3) intersections of the above. The successful candidate's research portfolio will comprise a combination of the following methodologies: (1) predictive analytics (supervised and unsupervised learning, natural language processing); (2) agent-based modelling (dynamically evolving populations, and adaptive feedbacks between individual behaviors and population outcomes), and (3) network analysis (cross-sectional and longitudinal networks). These methods will be applied to empirical data collected from cross-sectional and longitudinal surveys, interventions implemented by academic medical centers and governmental organizations. Research projects are supported by the National Institutes of Health and the Centers for Disease Control and Prevention. The successful candidate will benefit from a dynamic research environment that blends a sophisticated research team with prevention services offered by the Center and partner units. Research findings are thus directly translatable to community interventions and policy change, and feedback between the research and service arms is a unique strength of this position. Requirements for this position include completion of a doctoral degree in the computational sciences (Ph.D. or equivalent in Statistics, Computer Science, Computational Social Science, Computational Epidemiology, Applied Mathematics, Quantitative Ecology, or related discipline), evidence of published scientific articles, and a strong interest in developing a career in the computational social/health sciences. Candidates are expected to have facility with R or Python, and the ability to write clean, reproducible code. Experience with Java or C++, especially for agent-based or network modelling, is preferred. The ability to work productively within an interdisciplinary research environment is a must.



PostDoc | University of Michigan | Michigan, USA

The Institute for Research on Innovation and Science (IRIS) invites applications for two Postdoctoral Research Fellows. These one-year fellowships are funded by the Alfred P. Sloan Foundation as part of a grant to develop and support the research community using the IRIS UMETRICS dataset (Universities: Measuring the Effects of Research on Innovation, Competitiveness, and Science). IRIS is an IRB-approved data repository that collects, integrates, warehouses, and makes available both restricted and publicly available data on the social and economic impact of academic research and training. It is part of the Innovation, Networks, and Knowledge (INK) program at the Institute for Social Research (ISR) at the University of Michigan. ISR is the world's largest academic social science survey and research organization and conducts some of the most widely-cited and influential social science research in the world. IRIS ingests member university administrative data related to research awards and student academic data into a highly protected data enclave environment and makes linkages to Census Bureau data and other datasets, allowing IRIS to then generate reports demonstrating the career trajectory of research staff, vendor spending, as well as other measures of impact. In addition, IRIS makes these combined datasets available for research purposes, allowing approved investigators to access de-identified data in a virtual data enclave. IRIS core files are based on administrative data drawn directly from the sponsored projects, procurement, and human resources data systems on each IRIS university's campus. These data are useful for analyzing the social and economic effects of research investments, the scientific production function, the career outcomes and earnings of doctoral students and trainees, and questions pertaining to the science and engineering workforce and the STEM pipeline, among many other possible topics. See iris.isr.umich.edu for more information. http://careers.umich.edu/job_detail/174335/research_fellow



PostDoc | Weizenbaum Institute for the Networked Society, Free University Berlin | Berlin, Germany | mail to Prof. Dr. Barbara Pfetsch annika.schuetz@fu-berlin.de

The "Weizenbaum Institute for Networked Society" (www.weizenbaum-institut.de) has been researching the interaction between digitization and society in Berlin since 2017. The research program focuses on current and long-term social changes that are emerging in connection with digitalization. One focus is on the interaction of social science, economics and law with design research and computer science. Interdisciplinary basic research is linked with knowledge transfer in politics, business and society. For the Research Group "Digitalization and the (trans-)national Public Sphere" we are looking for a Research Assistant (PostDoc) from October 1, 2019 until September 14, 2020 (remuneration: Entgeltgruppe 14 TV-L FU). Subject to further financing of the Weizenbaum Institute, the position may be extended by two years. Job description: Independent planning and implementation of research projects | Publication of research findings | International networking of the research group | Further development of the research programme in cooperation with the Principal Investigator of the group | Supervision of doctoral projects within the research group | Participation in group and cross-institutional activities of the Weizenbaum Institute such as transfer | formats with network partners and formats to promote interdisciplinarity | External presentation of the research group | Participation in the planning and organisation of meetings and conferences | Management of project meetings | Participation in reporting;



PostDoc | Bournemouth University | Bournemouth, United Kingdom

The Faculty of Media and Communication at Bournemouth University is seeking to recruit an experienced and enthusiastic postdoctoral researcher to undertake a significant role in the delivery of high-quality outputs for the Research Excellence Framework and contribute to REF 2021 impact case studies for UOA34 (Communication, Cultural and Media Studies, Library and Information Management). Based in the Faculty of Media and Communication, this is an excellent opportunity for a competent researcher to join our research teams and collaborate with us in projects across areas of specialism and strength in Media, Culture and Communication. You will plan, develop and engage in high-quality research projects by embedding your research expertise into the life of the Faculty. You will review our body of research to identify opportunities for academic publishing, the dissemination of research findings, the development of societal impact and future research funding. You will then work with staff in our Research Centres to produce high-quality peer reviewed outputs for publication and support the development of impact case studies. You will undertake internal peer review of draft outputs for academic colleagues and provide input and advice for publications and impact case studies. You will also contribute to drafting, writing, and editing impact case studies as needed, in collaboration with the case study author. You will assist with public engagement and outreach activity, and collecting evidence of impact, as applicable. You will contribute to Bournemouth University's reputation as a leading centre for research in media, culture and communication.



<https://www.bournemouth.ac.uk/postdoctoral-researcher-media-culture-communication-part-time-fixed-term>

PostDoc | Computer Science Department at SUNY Albany | New York, USA

This project examines individual and group procrastination behavior by developing computational models using data on students' self-reported cognitive, metacognitive, motivational, and affective processes. Current theories of procrastination will be studied and extended based on cross-sectional self-report survey data asking for student self-ratings of procrastination related to academic tasks, and time-stamped trace data of studying and interaction behavior generated by a mobile app used by students during their courses. The cyberlearning advancements of this study are (1) a novel model of individual and individual-in-group (social) procrastination, to detect procrastination based on both self-report and trace data; (2) a novel model to predict student performance based on their procrastination, previous task accomplishment behavior, and previous performance; and (3) exploration of the most parsimonious combination of self-report and trace data to produce effective procrastination model. These goals will be accomplished by (a) developing and updating an application for data collection and survey administration, (b) deploying the app in several graduate online courses, (c) analyzing data to understand underlying procrastination processes, and (d) developing machine learning algorithms to model and detect procrastination. The project will result in the dissemination of findings and developed algorithms to the broader field of sequential data science. http://www.cs.albany.edu/~sherry/projects/procrastination_detection.php



PostDoc | CASUS - Helmholtz-Zentrum Dresden-Rossendorf | Dresden/Görlitz, Germany

The HZDR, Department CASUS - Center for Advanced Systems Understanding, invites multiple applications as Postdoctoral Researcher (m/f/d) - High Performance Computing. As a CASUS Scientist, you will perform and support fundamental research in the mathematical, algorithmic, or computational foundations of the methods to understand Matter Under Extreme Conditions, Systems Biology, Earth Systems Research and Autonomous Vehicles. You will collaborate within CASUS and with the CASUS partner institutions to jointly develop methods and implement them in software frameworks that are applicable across a range of application domains. The partners will provide you with access to world-class experimental research data sets as well as challenging and inspiring use cases and technology drivers. CASUS Scientists take an active role in shaping and advancing the crossdisciplinary projects and are able to communicate across discipline boundaries. <https://www.hzdr.de/db/Cms?pNid=490&pOid=58718&pContLang=en>



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The HZDR, Department CASUS - Center for Advanced Systems Understanding, invites multiple applications as Postdoctoral Researcher (m/f/d): Matter Under Extreme Conditions <https://www.hzdr.de/db/Cms?pNid=490&pOid=58717&pContLang=en> | Systems Biology <https://www.hzdr.de/db/Cms?pNid=490&pOid=58714&pContLang=en>

PostDoc | Aalto University | Espoo, Finland |

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Postdoc on multilayer social network analysis. Shorter postdoc positions with less constrained projects are also available. <http://www.mkivela.com/postdoc/>



PostDoc | University of Amsterdam, Amsterdam School of Communication Research ASCoR, Amsterdam, Netherlands | mail to mwojcieszak@ucdavis.edu

We are looking for a Postdoctoral Researcher to join the ERC Starting Grant team (project titled 'Citizens exposed to dissimilar views in the media: investigating backfire effects'). The position is a full-time, 2-year long position (with flexibility and adaptations possible, e.g., 0.85/0.90FTE for more than 2 years, etc. [A more detailed description and the details of the application process are here:

<https://www.uva.nl/en/content/vacancies/2019/07/19-455-postdoctoral-position-in-exposure-to-dissimilar-views-in-the-media.html?v&fbclid=IwAR3D01ba00IAAldU3z-EYp4G4Zww08TYn00qc360eduWlp-oAgUVQxKw90>

