

**Crossroads in the Concrete Jungle:
Experiences and Explorations of Urban Plants and People**

Symposium - Sept 22, 2016 - Rutgers University

Biographical sketches for the keynote speakers

Dr. Lindsay K. Campbell, USDA Forest Service Northern Research Station, New York City Urban Field Station, New York, NY, USA

Lindsay K. Campbell is a research social scientist with the USDA Forest Service Northern Research Station, based at the New York City Urban Field Station. Her current research explores the dynamics of urban politics, natural resource stewardship, and sustainability policymaking through several long-term, interdisciplinary research projects. These include the Stewardship Mapping and Assessment Project (STEW-MAP), which maps the social networks and spatial turf of civic, government, and private actors working on environmental stewardship in New York City—and has now been replicated in Chicago, Baltimore, Seattle, Philadelphia, Los Angeles, and San Juan. She is co-lead of research teams that examine stewardship in post-disturbance contexts, including the Living Memorials Project created after September 11, 2001 and the TKF-foundation funded “Landscapes of Resilience” project. She jointly leads the Social Assessment of NYC Parks and Natural Areas, a partnership between US Forest Service, NYC Parks, and the Natural Areas Conservancy, examining the use, value, and meanings of urban green space. She was a member of the NSF-funded ULTRA-EX team examining changes in land cover, ecosystem services, and stewardship in New York City’s urban forest; and also a member of the MillionTreesNYC Advisory Committee and Research and Evaluation Subcommittees. She is the author of *City of Forests*, *City of Farms: Constructing Nature in New York City*, forthcoming from Cornell University Press. In 2015, Dr. Campbell won the Northern Research Station Director’s Award recognizing her accomplishments as an Early Career Scientist. In addition to her research, Lindsay helps direct the Science of the Living City program for the Urban Field Station, including fellows, seminars, and artists in residence. Dr. Campbell holds a BA in Public Policy from Princeton University, a Masters in City Planning from MIT, and a PhD in Geography from Rutgers University.

Website: www.nrs.fs.fed.us/nyc

E-mail: lindsaycampbell@fs.fed.us

Dr. Pierre-Olivier Cheptou, Centre d’Ecologie Fonctionnelle et Evolutive (CNRS), 1919 route de Mende 34293 Montpellier Cedex 05-France

Pierre-Olivier Cheptou is a senior scientist in evolutionary ecology at the Centre National de la Recherche Scientifique in Montpellier (France). Dr. Cheptou received in PhD at the University of Montpellier in 2000 and has work as a post doc at McGill University (Montreal, Canada) with

the population geneticist Daniel J. Schoen. His research includes both empirical and theoretical aspects of plant life history traits evolution. He is specifically interested in rapid evolution as a response of environmental changes. He is currently working on several empirical projects on rapid adaptation on plants in the context of global change (such as urbanization, pollinator decline and global warming). Dr. Cheptou has developed a field work research program in urban environment since 2004 in the city of Montpellier focusing on weeds growing in small patches around trees in urban sidewalk using demographical and population genetics tools. He analyzed the population dynamics of a weedy plant *Crepis sancta* (Asteraceae) and demonstrated the rapid turn-over of populations in the city caused by a high extinction rate of populations balanced by colonization. He also discovered that the weed *Crepis sancta* has adapted to the hostile concrete matrix in the city by reducing the dispersal ability of its seeds. He estimated that such evolution of dispersal has occurred in less than twelve generations, which demonstrates the ability of plants to evolve rapidly in the context of global changes. This work has been considered as the first empirical demonstration of dispersal evolution in fragmented environment by Facultyof1000 biology.

Website: <http://www.cefe.cnrs.fr/fr/recherche/bc/bbp/843-c/302-pierre-olivier-cheptou>

E-mail: pierre-olivier.cheptou@cefe.cnrs.fr

Dr. Maria Ignatieva, Department of Landscape Architecture, Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden

Dr. Ignatieva is a professor in Landscape Architecture in the Swedish University of Agricultural Sciences (SLU), and also Adjunct Professor at Lincoln University (New Zealand), Honorary Doctor at St. Petersburg State Forest Technical University (Russia), the Vice-President (Biodiversity and Design aspects) of the URBIO (Urban Biodiversity and Design) Network and an Executive Committee member of ECLAS (European Council of Landscape Architecture Schools). She was born in Leningrad (St. Petersburg) in Russia, graduated from the Landscape Architecture Program at Leningrad State Forest Technical University, and received her PhD from Moscow State University. Dr. Ignatieva has worked in Russia (St. Petersburg), in USA (SUNY ESF, Syracuse, NY), New Zealand (Lincoln University), and now in Sweden (SLU, Uppsala) Her research investigates different aspects of urban ecosystems and she is developing principles of ecological design. Her latest Swedish FORMAS and SLU Climate Fund research projects are dedicated to the lawn as a cultural and ecological phenomenon and investigating alternative sustainable urban lawns (<http://www.slu.se/en/lawn>). Other research and teaching interests of hers are the history of landscape architecture and restoration and conservation of historical parks and gardens. Her latest contribution to the Landscape Architecture literature is the book "Gardens of the Old and New World", which = received the National Award in Russian Landscape Architecture in the "the best publication of the year 2013 category.

Dr. Ian MacGregor-Fors, Institute of Ecology (INECOL), Xalapa, Mexico

Ian MacGregor-Fors is a biologist graduated from the University of Guadalajara (Mexico) and completed his graduate studies with honors at the National Autonomous University of Mexico (UNAM). After his post-doctoral fellowship, he joined the Institute of Ecology (INECOL) in Xalapa (Mexico) as Research Scientist. His main research interests focus on the ecology of wildlife communities in human-disturbed systems—with an important focus on urban areas—, as well as the ecology, distribution, and behavior of invasive exotic species. He has published over 60 peer-reviewed papers, two books, 10 book chapters, and several outreach documents. He has also taught several graduate courses and has advised multiple undergraduate and graduate thesis. He was recently Associate Editor for *Landscape and Urban Planning*—a leading science journal—, and is currently Associate Editor for two emerging Urban Ecology Journals: *Urban Naturalist* and *Journal of Urban Ecology*. He is active member of the Advisory Board for the International Network Urban Biodiversity & Design (URBIO) and was recently invited as member of the Editorial Advisory Board of *Landscape and Urban Planning*.