

## AINA NEWS

*AINA Welcomes New Postdoc*

Dr. Gabriela Iburguchi joined the Arctic Institute of North America in early July of this year as a Postdoctoral Associate and as Associate Director of the International Study of Arctic Change (ISAC). Gabriela has conducted lab studies and field research, particularly in wildlife ecology and genetics, in polar, desert, marine, and high-altitude ecosystems throughout the Americas for more than 20 years. She is interested in the linkages between biogeography and conservation, evolution, and environmental studies as a way of interpreting the past and understanding future outcomes for biodiversity and the communities that depend on it. She first experienced Arctic coastal regions while working on the behavior and population genetics of Thick-billed Murres on Coats Island, Nunavut, during her MSc studies at Queen's University, Kingston, Ontario. She also completed her PhD dissertation at Queen's, this time working on an Antarctic lineage now found in cold regions in the Andes, Patagonia, and Tierra del Fuego—the Seed-snipes (*Thinocoridae*), a strange, hardy family of shorebirds. Gabriela studied lacebugs and aquatic insects in



*Dr. Gabriela Iburguchi*

Ontario during her undergraduate studies at the University of Toronto, Scarborough, where she first discovered the utility of complementing ecological studies with genetic analyses to uncover the behavior, population and evolutionary history (and potential for adaptation) of species.

She spent most of the past 18 years at Queen's University conducting research on the ecology, evolution, and conservation of biodiversity in harsh environments, and working in the Seabird Lab with Vicki Friesen and Tim Birt on waterbirds and Arctic seabirds. At Queen's, Gabriela also taught courses in conservation biology and wildlife and marine environmental issues in the Department of Biology and in the School of Environmental Studies, as well as Health Sciences modules in Canada and in Mexico with the School of Kinesiology and Health Studies. In Ottawa, Gabriela taught ornithology at Carleton University and worked on collaborative research with Environment Canada, particularly on Arctic seabirds with Anthony Gaston, and more recently, on Arctic terrestrial monitoring with Marlene Doyle.

Dr. Iburguchi has worked on diverse international collaborations in ecology, environmental studies, and health sciences. Since 2013, Dr. Iburguchi has been a member of the Arctic Terrestrial Biodiversity Monitoring Group of the Circumpolar Biodiversity Monitoring Program, working to implement a master, long-term, circumpolar monitoring plan for the Arctic with the Conservation of Arctic Flora and Fauna (Arctic Council). She is also serving as a board member and mentor in APECS Canada (Association of Polar Early Career Researchers).

Her most memorable Arctic moment was a particular evening of beautiful weather when thousands of murre chicks successfully fledged, jumping off the cliff into the ocean with their fathers.

*KLRS Open House 2014*

The Kluane Lake Research Station welcomed 70 people for the August 2 annual open house this year. It has been rewarding to see the station reach out to a greater range of people. Attendees included the members of a field team that had just returned from Glacier One; a group of young people ages 10–14, who had just completed an introduction to field science course; members of the Kluane and the Champagne and Aishihik First Nations; station alumni from Whitehorse and Haines Junction; and the researchers who had been at the station throughout the summer.

At the old mess hall, glaciologist Gwenn Flowers from Simon Fraser University spoke about her field season and results from Glacier One. PhD student Matthew Spellberg from Princeton spoke about his research on dreams of people in isolated environments around the world. Mike Schmidt presented current additions to the research station, including a Global Navigation Satellite System base station, and on his work with USArray, which is a component of the continental-scale seismic observatory known as EarthScope. Rebecca Irish from Yukon College presented

her project investigating seasonal variation in nitrogen fixing within the boreal forest. This great variety of topics had something that was interesting to anyone attending.

As always, the dinner conversations were lively and the locally produced caribou and bison sausage greatly appreciated. Dinner was followed by a game of rugby on the beach, a landscape-painting workshop, and a bonfire that was tended well into the night.

KLRS is beginning plans for a celebration in August 2015 for the 70th anniversary of the Arctic Institute and a reunion for members of the High Altitude Physiology Project. Keep in touch via <http://arctic.ucalgary.ca/> for further details.

#### *ASTIS Attends PLC 2014*

Shannon Vossepoel, Manager, Data and Information Services for the Arctic Institute of North America, attended the 25th Polar Libraries Colloquy in Cambridge in July 2014. Ms. Vossepoel presented a talk entitled “Connecting, Collaborating, and Embracing Change: The Future of the Arctic Science and Technology Information System (ASTIS).” Previously a member-at-large for the Polar Libraries Colloquy Steering Committee, Ms. Vossepoel was voted in as the chair elect/vice chair of the committee for 2014–15.

#### *ASTIS reaches 80 000 Records*

The Arctic Science and Technology Information System (ASTIS) now contains 80 000 records describing publications and research projects about northern Canada and the circumpolar Arctic. ASTIS covers all subjects including the earth sciences, the biological and health sciences, engineering and technology, the social sciences, traditional knowledge, history, and literature. The database includes both peer-reviewed and grey literature and covers the three territories, the northern parts of seven provinces, and the adjacent marine areas. ASTIS records contain abstracts, detailed subject and geographic indexing terms, and links to 22 000 online publications. ASTIS also maintains subset databases that provide selected records and background information for specific regions, subjects, or projects. A project of the Arctic Institute of North America since 1978, ASTIS is available for free from a bilingual website at [www.aina.ucalgary.ca/astis](http://www.aina.ucalgary.ca/astis).

#### *ASTIS Subset Databases Expand*

The Nunavik Bibliography now contains 7400 records on Quebec north of 55° and some adjacent regions. It covers all aspects of Nunavik, including the earth sciences, life sciences, engineering and technology, renewable and non-renewable resources, co-management, land use, people, government, economic and social conditions, archaeology, history, art and literature. ASTIS Information Analysts traveled to Kuujuaq in June and added many records from the Nunavik Research Centre Library to the database. ASTIS would like to thank Makivik Corporation for providing the funding to support this important work.

([www.aina.ucalgary.ca/nunavik](http://www.aina.ucalgary.ca/nunavik))

The ArcticNet Publications Database has grown significantly in the past year and now describes more than 2400 publications from ArcticNet, 339 publications from the Canadian Arctic Shelf Exchange Study (CASES), and 208 publications from the International North Water Polynya Study (NOW). There are currently 2800 publications in this database, including 1700 refereed publications and 410 student theses. ASTIS is pleased to work with ArcticNet to provide this searchable archive of ArcticNet’s refereed and non-refereed scientific publications.

([www.aina.ucalgary.ca/arcticnet](http://www.aina.ucalgary.ca/arcticnet))

#### *HAPS Reunion in August 2015*

On 7–10 August 2015, the Kluane Lake Research Station (KLRS) will host a reunion for the alumni of the Mt. Logan High Altitude Physiology Study (HAPS), which was run out of KLRS from 1969 to 1979, and their families. The event will include talks on the current projects using KLRS, presentations on HAPS, a panel discussion of the legacy of these projects, hiking, and, weather permitting, flights in the Helio Courier. A detailed schedule of events will be available in mid October. Interested alumni should RSVP by September 15 to:

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