

Robin S. Sleith

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Molecular Systematics Studies
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Education

Ph.D. Plant Science. Expected 2018. The New York Botanical Garden, Bronx, NY
Bachelor of Science, Biology. 2008. Green Mountain College, Poultney, VT

Professional Experience

Ph.D. Candidate, Graduate Fellow. 2013-present. The New York Botanical Garden, Bronx, NY
Assistant Data Manager. 2012-2013. Map of Life, Yale University, New Haven, CT
Research Technician. 2010-2012. The New York Botanical Garden, Bronx, NY
Field Assistant. 2006-2007. Rocky Mountain Biological Laboratory, Gothic, CO

Teaching Experience

Instructor. 2015. The Universe of Algae 154BOT381, The New York Botanical Garden, Bronx, NY
Educator. 2009. AmeriCorps VISTA at The Urban Ecology Institute, Boston, MA

Awards and Honors

NSF – Doctoral Dissertation Improvement Grant. 2017-2018. Quantifying Rapid Adaptation in an Aquatic Invasive Algal Species, \$19,751. The New York Botanical Garden, Bronx, NY
Phycological Society of America – Ralph A. Lewin Poster Award. 2016. The New York Botanical Garden, Bronx, NY
Phycological Society of America – Hoshaw Travel Award. 2016. The New York Botanical Garden, Bronx, NY
Northeast Aquatic Plant Management Society – Graduate Scholarship. 2016. The New York Botanical Garden, Bronx, NY
Phycological Society of America – Grant in Aid of Research. 2016 & 2017. The New York Botanical Garden, Bronx, NY
North American Lake Management Society – Student Travel Grant. 2015. The New York Botanical Garden, Bronx, NY
Northeast Algal Society – Student Grant to Support Research. 2015. The New York Botanical Garden, Bronx, NY
International Phycological Society – P. C. Silva Student Grant. 2015 & 2017. The New York Botanical Garden, Bronx, NY
NSF – Graduate Research Fellowship Program – Honorable Mention. 2014. The New York Botanical Garden, Bronx, NY
President's List. 2004-2008. Green Mountain College, Poultney, VT
Senior Biology Award. 2008. Green Mountain College, Poultney, VT
Distinguished Achievement in Biology. 2007. Green Mountain College, Poultney, VT
NSF – Travel Grant. 2007. Ecological Society of America, San Jose, CA
NSF – Research Experience for Undergraduates. 2006. (PI, B. J. Enquist), Rocky Mountain Biological Laboratory, Gothic, CO

Publications — Peer Reviewed Journals

- Sleith, R.S., A.J. Havens, R.A. Stewart & K.G. Karol. 2015. Distribution of *Nitellopsis obtusa* in New York, USA. *Brittonia* 67: 166-172.
- Karol, K.G. & R. S. Sleith. 2017. Discovery of the oldest record of *Nitellopsis obtusa* (Charophyceae, Charophyta) in North America. *Journal of Phycology* doi: 10.1111/jpy.12557

Presentations

- Sleith, R.S., Wehr, J.D. & Karol, K.G. 2017. Using species distribution models to examine the future of Characeae in North America. 11th International Phycological Congress. August 13-19, Szczecin, Poland.
- Sleith, R.S., Wehr, J.D. & Karol, K.G. 2016. Tracing the movement of the invasive alga *Nitellopsis obtusa* using genetic analyses. Upper Midwest Invasive Species Conference. October 16-19, La Crosse, WI.
- Sleith, R.S., Wehr, J.D. & Karol, K.G. 2016. *Nitellopsis obtusa* in North America. 7th International Symposium on Extant and Fossil Charophytes, August 29 – September 2, Astana, Kazakhstan.
- Sleith, R.S., Wehr, J.D. & Karol, K.G. 2016. Tracing the movement of the invasive alga *Nitellopsis obtusa* using genetic analyses. 70th Annual Phycological Society of America Meeting, July 24-28, Cleveland, OH.
- Sleith, R.S., Havens, A.J., Stewart, R.A., Wehr, J.D. & Karol, K.G. 2016. In Characeae: “Everything is everywhere, but the environment selects.” 55th Annual Northeast Algal Symposium, April 22-24, Westfield, MA.
- Sleith, R.S., Havens, A.J., Stewart, R.A. & Karol, K.G. 2016. Distribution and ecology of *Nitellopsis obtusa* in New York, U.S.A. 17th Annual Northeast Aquatic Plant Management Society, January 12-14, Saratoga Springs, NY.
- Sleith, R.S., Havens, A.J., Stewart, R.A. & Karol, K.G. 2015. Distribution of *Nitellopsis obtusa* in New York, U.S.A. 35th Annual North American Lake Management Symposium, November 17-20, Saratoga Springs, NY.
- Sleith, R.S., Havens, A.J., Stewart, R.A. & Karol, K.G. 2015. Distribution of *Nitellopsis obtusa* (Characeae) in New York, U.S.A. 69th Annual Phycological Society of America Meeting, August 10-13, Philadelphia, PA.
- Sleith, R.S., Havens, A.J., Stewart, R.A. & Karol, K.G. 2015. Distribution of *Nitellopsis obtusa* (Characeae) in New York, U.S.A. 54th Annual Northeast Algal Symposium, April 17-19, Syracuse, NY.
- Sleith, R.S., Hall, J.D., McCourt, R.M. & Karol, K.G. 2014. The invasive macroalga *Nitellopsis obtusa* in New York State. Joint Aquatic Sciences Meeting, May 18-23, Portland, OR
- Sleith, R.S., Hall, J.D., McCourt, R.M. & Karol, K.G. 2014. The invasive macroalga *Nitellopsis obtusa* in New York State. 53rd Annual Northeast Algal Symposium, April 25-27, Newport, RI
- Sleith, R.S., Enquist, B.J., Lamanna, C.A., Harte, J., Crumbacher, L.L. & Wilson, M.J. 2007. Assessing two plant leaf functional traits across a temperature gradient. ESA/SER Annual Meeting, August 5-10, San Jose, CA
- Lamanna, C.A., Enquist, B.J., Crumbacher, L.L., Harte, J., Saleska, S.R., Sleith, R.S. & Wilson, M.J. 2007. Invariance of subalpine ecosystem respiration with temperature. ESA/SER Annual Meeting, August 5-10, San Jose, CA
- Sleith, R.S., Roush, J., Beaudoin, B. & Coe, N.R. 2007. Beech Bark Disease in the Green Mountain National Forest: Survey, Analyses, and Implications. New England Society of American Foresters, Cycles in Forestry, March 20-23, Fairlee, VT
- Coe, N.R. & Sleith, R.S. 2007. When Good Trees Go Bad: Redefining Resistance to Beech Bark Disease. Vermont EPSCoR Annual Conference, March 28, Burlington, VT
- Coe, N.R., Sleith, R.S., Herzer, J., Valliere, J., Gallagher, J. & Adiriso, A. 2006. Beech Bark Disease: Nature and Nurture in the New England Forest. Ecological Society of America, August 6-11, Memphis, TN

Outreach and Trainings

- Sleith, R.S., Wehr, J.D. & Karol, K.G. 2017. *Nitellopsis obtusa* in New York and New England. USACE Starry Stonewort Workshop. September 7-8, Oconomowoc, WI.
- Sleith, R.S. & Karol, K.G. 2017. Ballast, Boats and Bobbers: Investigating an Aquatic Invasive Macroalga in the United States. Entwined Symposium 173BOT802, March 03, Bronx, NY.
- Sleith, R.S. & Karol, K.G. 2016. *Nitellopsis obtusa* in North America. Cornell Cooperative Extension: Agriculture, Food & Environmental Systems In-Service, November 02, Ithaca, NY.
- Sleith, R.S. & Karol, K.G. 2016. *Nitellopsis obtusa* in New York, U.S.A. Lake Champlain Basin Program Aquatic Invasive Species Seminar, July 14-15, Burlington, VT.
- Sleith, R.S. & Karol, K.G. 2016. *Nitellopsis obtusa* in New York, U.S.A. The *Nitellopsis* Working Group, June 6-8, Minneapolis, MN.

- Sleith, R.S. & Karol, K.G. 2015. *Nitellopsis obtusa* in New York, U.S.A. PRISM Invasive Species Summit, November 06, Bronx, NY.
- Sleith, R.S. & Karol, K.G. 2015. *Nitellopsis obtusa* in New York, U.S.A. Adirondack Watershed Institute Stewardship Training, Paul Smiths, NY.
- Sleith, R.S. & Karol, K.G. 2015. The Starry Stonewort: Chasing an Invasive Species Across the Northeast. Britton Gallery Talk Series, The New York Botanical Garden, Bronx, NY.

Undergraduate Students, Interns and Volunteers

- Lenski, J.G., 2014-2015. NYBG Volunteer. Student at Sarah Lawrence College, Bronxville, NY
- Sanches, M.C., 2014-2015. NYBG Volunteer. Student at New York University, New York, NY