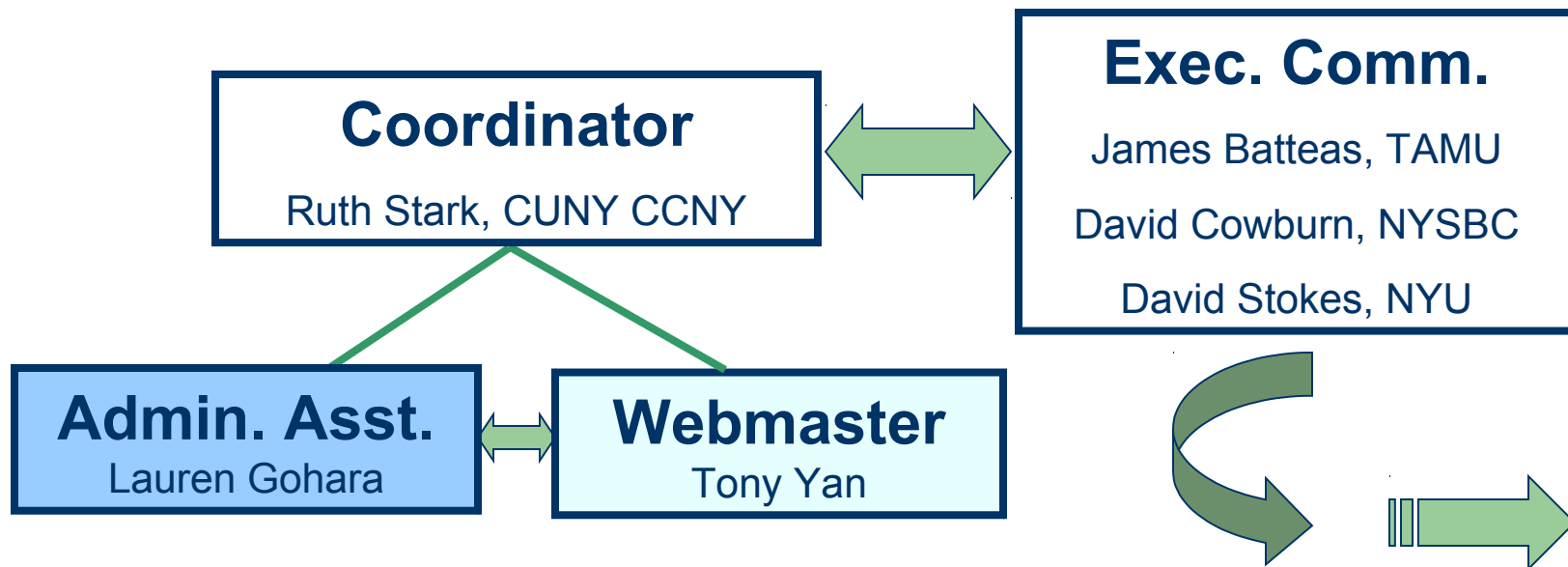


# WHAT IS this Research Coordination Network?

An interactive research community advancing emerging methodologies for macromolecular structure determination in biological solids  
**SPM, CryoEM, ssNMR: individually & in synergistic combination...**





## WHO ARE this Research Coordination Network?

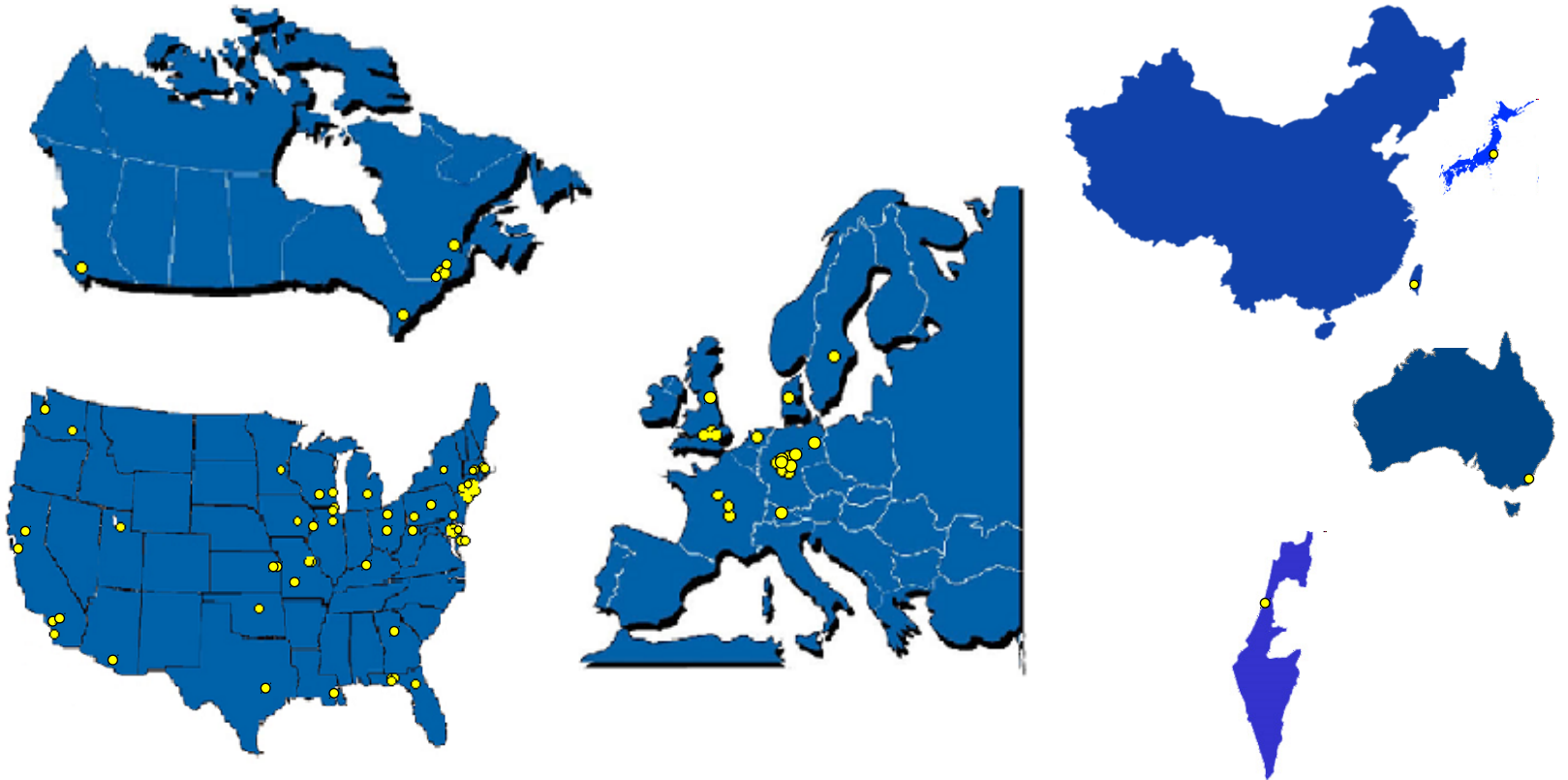
### Recruited Participants (Senior Researchers)

M. Auger, M. Baldus, D. Basting, A. Bockman, M. Brown, D. Bryce, M. Cotten, T. Cross, H. deGroot, S. Ding, G. Drobny, M. Duer, P. Ellis, D. Eliezer, L. Emsley, M. Ernst, T. Fujiwara, H. Gaede, J. Garno, K. Gawrisch, B. Gee, K. Gehring, R. Gerald, R. Ghose, L. Gilchrist, M. Girvin, S. Greenbaum, C. Grey, R. Griffin, P. Hodgkinson, M. Hong, W. Hu, D. Huster, Y. Ishii, C. Jaroniec, D. Jensen, T. Kupka, V. Ladizhansky, M. Lafleur, A. Lesage, M. Levitt, G. Liu, J. Long, C. Mannella, F. Marassi, M. Mehta, B. Meier, G. Meints, C. Michal, E. Munson, F. Naider, K. Nairn, N. Chr. Nielsen, H. Oschkinat, S. Opella, N. Oyler, A. Petkova, F. Picart, I. Polozov, A. Ramamoorthy, B. Reif, C. Rienstra, C. Roe, D. Rovnyak, J. Schaefer, S. Scheuring, S. Smith, H. Sosa, M. Spence, S. Straus, P. Tang, L. Thompson, R. Tycko, I. Ubarretxena-Belandia, G. Walker, D. Warschawski, A. Watts, D. Welicky, R. Wittebort, A. Ulrich, E. Ulrich, Y. Xu, K. Zilm



U.S. Canada Europe Asia & Pacific

# WHERE ARE the labs of the RCN-SCN?





## What activities has the RCN sponsored?

- Informational Sessions (Exp. NMR Conference)
- Symposia (Amer. Chem. Soc.; NMR @PUI's; Rocky Mt. Conf.; NY Struct. Bio. Disc. Group; Euro. ssNMR)
- Interactive Website <http://www.sci.ccny.cuny.edu/rcn>
- Lab Workshops (ssNMR of proteins, oriented samples, pharmaceuticals, biomembranes, metals in (bio)materials; Touring the Tomato with high school students)
- Short Courses (US-Canada Biomolecular Solid-state NMR)
- Networking Models (AFM-cryoEM-NMR-computation interchange, Technology eTransfer, Research-Pedagogy)





# What new RCN-SCN projects are pending?

- Short Course
  - ❖ US-Canada Biomolecular Solid-state NMR III (1/12)
- Lab Workshop
  - ❖ CryoEM: Principles and Practice
- Research Roundtables on New Applications
  - ❖ ssNMR Applications in Plant & Environmental Science
- Technology eTransfer
  - ❖ Journal of Visualized Expts: NMR & AFM of fruit cuticles
  - ❖ AFM, cryoEM, and ssNMR pedagogy
  - ❖ Practical Guidelines for MAS and DNP NMR
- YOUR PROPOSAL HERE...





## How can you contact the RCN-SCN?

- <http://www.sci.ccny.cuny.edu/rcn>
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- Ms. Lauren Gohara, [lgohara@sci.ccny.cuny.edu](mailto:lgohara@sci.ccny.cuny.edu)

- Dr. Ruth E. Stark

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