

# Interactive World Map of Research of Block Copolymers

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*This demo list is not exhaustive of all publications or laboratories/equipment but rather a sample size to show the international reach of this research.*

Map Pin	Group Name	Host Institution	Overview	Equipment	Contact	Website
1	Fakhraai Research Group	University of Pennsylvania	Studies the effect of size, geometry, and interface interactions on the thermodynamics and optical properties of nanostructured materials, including self-assembly of BCP	AFM, Spectroscopic Ellipsometer	Zahra Fakhraai, fakhraai@sas.upenn.edu	<a href="https://web.sas.upenn.edu/fakhraaigroup/">https://web.sas.upenn.edu/fakhraaigroup/</a>
2	Buriak Research Group	University of Alberta	One aspect of the lab works with block copolymer self-assembly with goals of integrating them into chip manufacturing lines on silicon	Ellipsometer, Multimode AFM	Jillian Buriak, jhuriak@ualberta.ca	<a href="https://spaces.facsci.ualberta.ca/buriak/">https://spaces.facsci.ualberta.ca/buriak/</a>
3	Functional Materials and Nanotechnology Group	University of Santiago de Compostela	Works on self-assembly of block copolymers and metal nanoparticles through UV-lithography; focuses on BCPs with special electro-optic-magnetic properties and BCPs as nanoreactors	N/A	Massimo Lazzari, massimo.lazzari@usc.es	<a href="https://www.fun-nanotech.org/">https://www.fun-nanotech.org/</a>
4	Fraunhofer Institute for Applied Polymer Research IAP	Fraunhofer Institute for Applied Polymer Research IAP	This institution contains many fields of study, including polymer synthesis and processing	Spectroscopic Ellipsometry	Fraunhofer IAP +49 331 568-1000	<a href="https://www.iap.fraunhofer.de/en/research/synthesis_and_polymer_technology.html#4">https://www.iap.fraunhofer.de/en/research/synthesis_and_polymer_technology.html#4</a>
5	Deutsche Textilforschungszentrum	University Duisburg-Essen	Main focus is upon polymers in textiles, specifically in interface phenomena and green chemistry/nanotechnology	N/A	Thomas Mayer-Gall mayer-gall@dtnw.de	<a href="http://www.dtnw.de/">http://www.dtnw.de/</a>
6	National Synchrotron Light Source II	Brookhaven National Lab	Focuses on materials research with nanoscale resolution, including block copolymers	Microscopy, X-ray scattering, synchrotron	<a href="https://www.bnl.gov/nsls2/people/">https://www.bnl.gov/nsls2/people/</a>	<a href="https://www.bnl.gov/nsls2/">https://www.bnl.gov/nsls2/</a>
7	The African Lightsource	The African Lightsource	Provides synchrotron and x-ray resources for research	Synchrotron	<a href="https://www.africanlightsource.org/contact-us/">https://www.africanlightsource.org/contact-us/</a>	<a href="https://www.africanlightsource.org/">https://www.africanlightsource.org/</a>