

OLEG GANG, PH.D.

Professor, Department of Chemical Engineering, and Department of Applied Physics and Applied Mathematics, **Columbia University**

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Research interests: soft matter and biomaterials, self-assembly phenomena, DNA nanotechnology, In-situ structural methods, optical and biomedical applications of nanomaterials.

Professional Preparation

Harvard University, Cambridge, MA

Postdoctoral Rothschild Fellow 2000-2002

Bar-Ilan University, Israel

Soft Matter Physics with Highest Distinction; Ph.D. 2000

Bar-Ilan University, Israel

Physics; M.Sc. 1994

Appointments

2016-present *Full Professor*, Department of Chemical Engineering, and Department of Applied Physics and Applied Mathematics, Columbia University, NY

2008-present *Leader for Soft Matter and Biomaterials Theme*, Center for Functional Nanomaterials at Brookhaven National Laboratory, Upton, NY

2004-present *Scientist*, Center for Functional Nanomaterials, BNL, Upton, NY

2002- 2004 *Goldhaber Fellow*, Physics Department, Brookhaven National Laboratory (BNL), Upton, NY

Synergetic Activities

- Panelist for DOE, DOD and NSF workshops and sessions
- Reviewer for NSF, DOE, DOD, Petroleum foundations, various European Science foundations, Binational Science foundations, and others;
- Chaired sessions at APS and MRS meetings, Gordon conference and specialized conferences
- Co-organized 15 conferences and workshops
- Referee for journals: Physical Review Letters, Nature, Science, Nature Materials, Nature Nanotechnology, Nature Chemistry, ACS Nano, Soft Matter, Physical Review E, Langmuir, Jour. of American Chem. Society, Jour. Phys. Chemistry, Macromolecules, Angewandte Chemie and others

Major Honors and Recognitions

- Inventor of the Year, Battelle Award, 2016
- Work included in the top 10 Scientific Advances of 2016 at Brookhaven National Laboratory
- Fellow, American Physical Society, elected in 2014
- BNL Science and Technology Award for Outstanding Achievements, 2011
- Gordon Battelle Prize for Scientific Discovery, 2010
- US Department of Energy Outstanding Mentor Award, 2009
- Goldhaber Distinguished Fellowship, Brookhaven National Laboratory, 2002-2003
- Rothschild Foundation Distinguished Fellowship, 2000
- University President's Award, Bar-Ilan University, 1998
- Wolf Foundation Scholarship for outstanding Ph.D. research, 1997

Delivered about 140 plenary, keynote and invited presentations at the international and domestic conferences, academic, government and private institutions

Published about 110 peer-reviewed research articles (available at Google Scholar) and authored 7 US and International patents: <https://scholar.google.com/citations?user=aYHtwgYAAAAJ&hl=en>