**Akiko Tsurumaki** received Ph.D. in Engineering (2015) under the supervision of Prof. Hiroyuki Ohno in the Department of Biotechnology, Tokyo University of Agriculture and Technology. She had worked as a research fellow (DC2) of Japan Society for the Promotion of Science (JSPS) during her Ph.D. course. Currently she is working as a postdoctoral researcher at the Department of Chemistry, Sapienza University of Rome. Her research is centered on functionalization of battery electrolytes using ionic liquids. She has published 21 papers in high-impact scientific journals.