



The international workshop on
Opportunities and challenges presented by synthetic biology
hosted by
Ministry of Science and Higher Education
25 November 2014, Warsaw

9:00 - 9:30	Registration and Coffee
9:30 - 10:00	Opening ceremony Prof. Jacek Guliński , Under-Secretary of State, Ministry of Science and Higher Education Sarah Tiffin , Chargé d'Affaires a.i., British Embassy, Warsaw Prof. Andrzej Górski , Vice-President of Polish Academy of Sciences Anna Pytko , Polish National Contact Point to Horizon 2020, Warsaw Prof. Marek Figlerowicz , Director of Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan
10:00-11:00	Inauguration lecture: <i>Emerging policy issues in synthetic biology</i> Dr. Jim Philp , Directorate for Science, Technology and Industry, OECD Discussion
11:00-11:30	Meet-the-Speaker coffee break
11:30 - 12:20	Session 1: <i>Application of synthetic biology to medical challenges</i> Chair: Prof. Jakub Gołaż , Warsaw Medical University
11:30 -11:55	<i>Synthetic biology in gene and stem cells therapies</i> Prof. Józef Dulak , Department of Medical Biotechnology, Jagiellonian University, Cracow
11:55-12:20	<i>Systems and synthetic biology for health in Horizon 2020</i> Dr. Bernard Mulligan , European Commission, DG Research & Innovation Discussion

<p>12:20 - 13:35</p> <p>12:20 - 12:45</p> <p>12:45 - 13:10</p> <p>13:10 - 13:35</p>	<p>Session 2: Synthetic biology: applying engineering to biology</p> <p>Chair: Prof. Marek Figlerowicz, Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan</p> <p><i>Engineering an artificial "chitinosome"</i> Prof. Wojciech Rypniewski, Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan</p> <p><i>Synthetic Biology in science and didactics</i> Dr. Radosław Stachowiak, Department of Applied Microbiology, Faculty of Biology, University of Warsaw, Warsaw.</p> <p><i>A personal account of the beginning of synthetic biology at the Institute of Bioorganic Chemistry in Poznan</i> Prof. Jacek Stawiński, Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan</p> <p>Discussion</p>
<p>13:35-14:10</p>	<p>Lunch break</p>
<p>14:10-15:50</p> <p>14:10-14:35</p> <p>14:35-15:00</p> <p>15:00-15:25</p> <p>15:25-15:50</p>	<p>Session 3: Ethical questions and public engagement</p> <p>Chair: Dr. hab. Marek Czarkowski, Warsaw Medical University, Chairman of Center for Bioethics of Supreme Medical Council</p> <p><i>Ethics of synthetic biology. Opinion of European Group on Ethics in Science and New Technologies to the European Commission</i> Prof. Andrzej Górski, member of EGE</p> <p><i>Political and security aspects of synthetic biology</i> Dr. Filippa Lentzos, Department of Social Science, Health & Medicine, King's College London</p> <p><i>Social science and synthetic biology: Partnerships, conflicts, perspectives</i> Dr. Pablo Schyfter, Science, Technology and Innovation Studies, University of Edinburgh</p> <p><i>Stakeholder involvement in synthetic biology: Mobilisation and mutual learning in the context of Responsible Research and Innovation</i> Dr. Steffen Albrecht, Institute for Technology Assessment and Systems Analysis, Karlsruhe</p> <p>Discussion</p>
<p>15:50 - 16:30</p>	<p>General discussion</p> <p>Closing remarks</p> <p>Dr Jim Philp, Directorate for Science, Technology and Industry, OECD</p>