Synthetic biology employs design and engi- Arnold Sauter, Deputy Head of the Office of A public event closing the BMBF-funded technology. One branch of synthetic biology "Synthetic Biology." - xenobiology - even develops chemically logy research agenda also includes the use of Foundation. non-living materials to build novel life-forms from scratch.

conceptual, ethical, and social implications life. of a widespread use of synthetic biology? To what ends should synthetic biology be Röbbe Wünschiers, Professor of Biotechdeployed?

and social scientists alike - often at the request hydrogen gas production with cyanobacteria. of biologists sensitive to the political and economical need for the public acceptance of their research. Yet, how can research policies help to maintain a plurality of evaluative po-

Join the discussion of what synthetic biology is all about, of its metaphors of creating life, its visions of saving lives, and of the question how social consequences of new techno-scientific fields can or should be evaluated.

neering principles to create novel organisms Technology Assessment (TAB) at the Ger- International Summer School Analyzing the in a much more effective way than earlier bio- man Bundestag and Leader of the TAB project Societal Dimensions of Synthetic Biology

altered genetic codes and amino acids, which Rafael Pardo Avellaneda, Professor of Hagen and Margret Engelhard from the are supposed to effectively isolate the new life Sociology at the Spanish National Council for EA European Academy of Technology and from the naturally existing. The synthetic bio- Scientific Research and Director of the BBVA Innovation Assessment GmbH as well as

Sheref S. Mansy, Assistant Professor of Bio-discussion. Which concepts of life, which values and chemistry at the Centre for Integrative Bioloworldviews underlie the design and enginee- gy, University of Trento, Italy, is working on In cooperation with ICI Berlin. ring of novel life-forms? What could be the artificial chemical systems that mimic cellular

nology at the University of Applied Sciences Consequences and implications of synthetic Mittweida, Germany, is applying a synthetic biology have been researched by philosophers biology approach to utilize solar energy for

(www.ta-synbio-summerschool.de). The organizers of the Summer School Kristin Georg Toepfer from the Center for Literary and Cultural Research Berlin will chair the

Synthetic Biology

Concepts. Values and **Politics**



