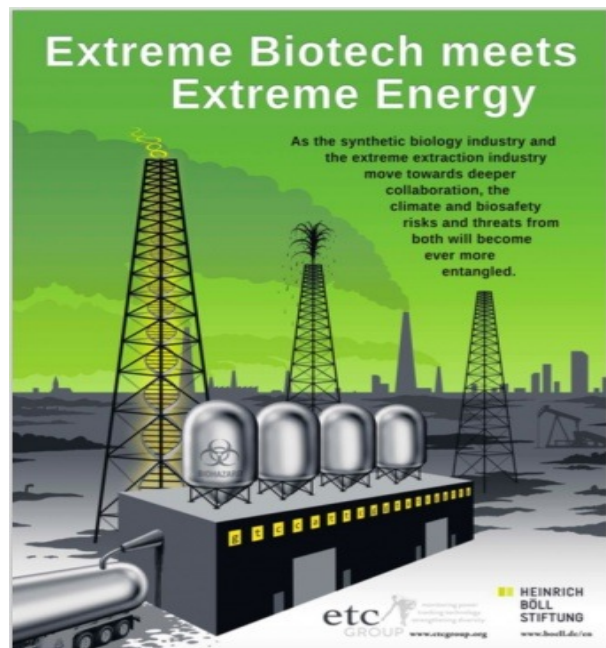


## Recent publications

### Extreme Biotech meets Extreme Energy

*Well panned, a week before the climate summit in Paris the ETC group and the Heinrich Böll Foundation released a new report titled "Extreme Biotech meets Extreme Energy". The report describes how Synthetic Biology industries are now actively tying their future to the very oil, coal and gas extraction and predicts that as these industries move towards deeper collaboration, the biosafety risks and climate threats emanating from them will become ever more entangled.*

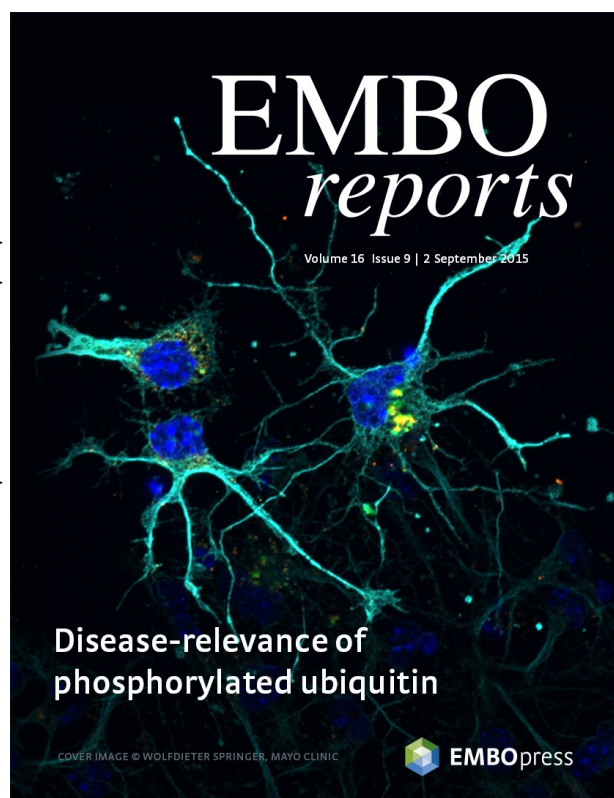
The report can be downloaded [here](#).



### EMBO reports: Responsibility and intellectual property in synthetic biology

*As part of their collaboration with SYNENERGENE, the iGEM 2014 team of Valencia Biocampus worked on questions of intellectual property in synthetic biology. In an extension of this collaboration, a proposal for using Responsible Research and Innovation (RRI) as a basic framework for intellectual property (IP) decisions and the development of IP schemes in synthetic biology has been put forward in EMBO reports, online (August 12, 2015). In particular, the authors strived to elucidate whether IP schemes and the RRI concept could be mutually beneficial to foster innovations in synthetic biology, which may be required to provide solutions to the grand societal challenges.*

Harald König, Pedro Dorado-Morales, Manuel Porcar (2015). [Responsibility and intellectual property in synthetic biology. A proposal for using Responsible Research and Innovation as a basic framework for intellectual property decisions in synthetic biology](#), EMBO reports (2015), 16, pp. 1055-1059



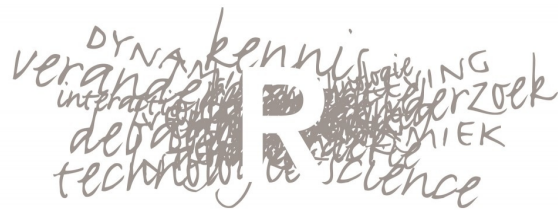
## Synthetic biology methods in plant engineering

A range of new plant breeding technologies has been developed in recent years. Colorado State University scientists have created an integrated circuit for plants that are similar to those found in an iPhone. 'Gene circuits,' a product of synthetic biology, control specific plant characteristics such as color, size, and resistance to drought. While traditional plant genetic engineering involves inserting or modifying genes that control certain characteristics, plant synthetic biologists are taking a different approach by quantitatively analyzing gene parts to make predictable functions. This new method is published in [\*Nature Methods\* Nov. 16](#)



## Discourses on Synthetic Biology in Europe (2013)

"Discourses on Synthetic Biology in Europe" is a working paper published by Rathenau Instituut in the context of the project "[Global Ethics in Science & Technology](#)". The report aims to provide an overview of the current state-of-affairs in the SynBio debate. To this aim, it analyses a collection of reports on SynBio and identifies three discourses that are said to be commonplace in early phases of new and emerging science and technologies: discourses on innovation, risk, and power & control. The authors look at the role of values and lay morality in these three discourses and address how European reflective ethics voices engage with SynBio.



**Rathenau Instituut**

The paper can be downloaded [here](#).

## EMBO reports: Responsibility and intellectual property in synthetic biology

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