Through multidisciplinarity towards the analysis, in complex societies, of the challenges, implications and impacts of research on life

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The past. How we got here

An invitation to join CSIC Scientific Challenge SYNTHETIC LIFE

Our task: to create a multidisciplinary team to address the study of...

- The important philosophical, ethical and social questions on the impact of research on Synthetic Life and technologies involved in the construction of synthetic cells
- The relevant prospects for the dialogue between science and humanities, and between science and society.

The present. What are we doing

Creation and consolidation of a multidisciplinary team

Proposals

- Research project: Anthropic paradox(s): hindering and enhancing life on the planet Project proposal (BBVA Foundation Grants for Scientific Research Projects)
- Cycle of seminars: Anthropic paradox. A statement and a look through the dialogue between science and democracy.
 - Spanish Chapter of the Club of Rome, together with the Institute of Philosophy (IFS-CSIC) and the Spanish Association for the Advancement of Science (AEAC)
- Workshop proposal to LifeHub CSIC
 - Discussion of a multidisciplinary work plan on the challenges, impacts and social and philosophical implications of research on LifeHub topics: Origins, (Co)Evolution, Diversity & Synthesis of Life



Our proposal

A conceptual and theoretical architecture for a research line...

A conceptual and theoretical architecture

- ✓ Anthropic paradoxes: seas of contradictions
- ✓ Societies in search of definition. Four decades of nightmares
- ✓ Consequences of undefinition
 - Complexities, inequalities, risks for democracy and its relationship with science
 - Inefficiency and even inefficacy in the action and reaction principles and processes (policies and politics; beliefs and trust; values and ethics....)
 - Irreversible effects from individuals to social: on life, from health to transhumanism; on nature, from environmental contaminations to climatic change



A conceptual and theoretical architecture

The need for a theoretical architecture

Basic pillars:

- Philosophy of biology
- Philosophy of scientific policy

A conceptual and theoretical architecture

The need for a theoretical architecture

Two levels:

- 1) Dialogues between science and democracy
- 2) Evolution as the great theory
 - Evolutionary perspective of the theory of evolution
 - Revolution in the relation between genetics and life experiences
 - Mechanisms, factors and processes in evolution: new interpretations of the natural selection.



Own contributions

✓ Sociability environment:

Nature (environment + living beings) – Culture - Ethics

✓ Applied Ethics:

Interethics

A concept for integrating professional ethics based on consequentialism supported on values such as responsibility, empathy, social justice.

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