Working group

History and Philosophy of Modern Informational and Structural Biosciences

Group leader:

apl. Prof. UTE DEICHMANN

ute.deichmann(at)uni-koeln.de

Ute Deichmann, Dr. rer. nat. habil and apl. Professor at the University of Cologne, Institute of Genetics; adjunct full professor at Ben-Gurion University of the Negev, Israel and director of the Jacques Loeb Centre for the History and Philosophy of the Life Sciences (http://in.bgu.ac.il/en/loeb/Pages/default.aspx).


Research

1. Origin of and change to fundamental concepts in modern informational and structural biology (e.g. biological specificity, information, hierarchy, genomic regulation, epigenetics).

2. Researchers' philosophies and epistemologies in modern biology, with special emphasis on cell theory, genetics, development, synthetic biology, and genomics.

3. Oral history project: Conversations with pioneers of modern informational and structural biology on science, scientists, and philosophy.

4. Beginnings and development of the Israeli-German science
collaboration: Political and scientific rationales, collaborative research, different research traditions and complementary research in the two countries.

Recent publications


