



## CALL FOR BOOK CHAPTERS

### Bioinformational Philosophy and Postdigital Knowledge Ecologies

M. A. Peters, P. Jandrić, & S. Hayes (Editors)

According to Freeman Dyson (2007), 'the twentieth century was the century of physics and the twenty-first century will be the century of biology'. In our pandemic age, even those who succumbed to the capitalist fallacy of 'bigger, faster, better' computers, transportation, and economy, will now agree that 20<sup>th</sup> century focus to machinery needs to be succeeded by a focus to better understanding of living systems and their interactions with technology at all scales – from viruses, through human beings, to Earth's ecosystem.

This change of direction cannot be made by simple relocation of focus and/or funding from one discipline to another. In our age of the Anthropocene, (human and planetary) biology cannot be thought of without technology. Today's curious bioinformational mix of 'blurred and messy relationships between physics and biology, old and new media, humanism and posthumanism, knowledge capitalism and bio-informational capitalism' (Jandrić et al. 2018: 896) defines the postdigital condition and creates new knowledge ecologies.

Postdigital knowledge ecologies are mutually constitutive with bioinformational capitalism. Coming 'after mercantile, industrial, and knowledge capitalisms' (Peters 2012: 105), bioinformational capitalism is 'based on a self-organizing and self-replicating code that harnesses both the results of the information and new biology revolutions and brings them together in a powerful alliance' (Peters 2012: 105). In general public, bioinformational capitalism develops new media ecologies burdened by post-truth, fake news, infodemics, etc. In scholarly research, new knowledge ecologies are built upon emerging forms of scientific communication, big data deluge, opacity of algorithmic operations, etc. Many of these developments can be approached using the concept of viral modernity, which 'applies to viral technologies, codes and ecosystems in information, publishing, education and emerging knowledge (journal) systems' (Peters, Jandrić and McLaren 2020; Peters and Besley 2020).

Based on theories of bioinformationalism (Peters 2012), viral modernity (Peters and Besley 2020), the postdigital condition (Jandrić et al. 2018; Jandrić 2020), and others, this book asks: Which new knowledge ecologies are now emerging; which philosophies and research approaches do they require? Possible themes:

Philosophy / social theory of bioinformation  
Bioinformational science  
Biopolitics and bioinformational capitalism  
Philosophy of bio-digital becoming  
Environment / Anthropocene  
Social epistemology  
Big Data / Viral Data / Artificial Intelligence

Viral Modernity / Covid-19  
Postdigital theory  
Social epidemiology and viral systems  
Post-truth: lies, bullshit, fake news etc.  
Infodemics / conspiracy theories  
Bioinformation and education  
Openness, open knowledge, knowledge socialism

#### Editors

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#### Important Dates

1 February 2021 – Deadline for extended abstracts (500-800 words)  
1 March 2021 – Deadline for reviewer feedback  
1 June 2021 – Deadline for full chapters  
1 July 2021 – Deadline for reviewer feedback  
1 October 2021 – Deadline for final chapters

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- Jandrić, P., Knox, J., Besley, T., Ryberg, T., Suoranta, J., & Hayes, S. (2018). Postdigital Science and Education. *Educational Philosophy and Theory*, 50(10), 893–899. <https://doi.org/10.1080/00131857.2018.1454000>.
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