Yasaman Sheri

# FORBIDDEN MEMORY

Serpentine Synthetic Ecologies Compendium Season 1 Microbial Lores Jul 07, 2022



CELLULAR TROMPE L'ŒIL
SENSORY INTIMACY
NON LINEAR TEMPORALITIES
STEWARDS OF KNOWLEDGE

Serpentine Synthetic Ecologies Lab presents <u>Compendium</u>, a growing collective archive of resources, reflections, sketches, conversations, and content that support artistic and critical inquiry into ecology and life sciences. The inaugural season is Microbial Lores curated by Angela Dimayuga and a guild of extraordanry thought leaders. With focus on fermentation the archive deep dives into broad histories of knowledge and the invisible scales of life that govern not only our kitchens, but also our contemporary science, culture and technology.

Bringing artistic and scientific communities into experimental exchanges through iterative narrative building, and by contributing to the emergence of Synthetic Ecologies we are creating an intersectional field that investigates the interconnectedness of cultural inquiry and living systems in relation to adapting biological developments.

We believe that creativity is connecting the dots, sharing and building collectively paths less crossed. There is no wrong way of seeing. We invite you to walk along a path with us, and share your compendium of compendiums.

— Yasaman Sheri

The Compendium Guild who has collected and created the archive is made up of:

Yasaman Sheri Angela Dimayuga

Nadia Berenstein Namita Patel Joshua Evans

Lucy Chinen

Seetal Solanki Claire L. Evans Chiara Di Leone Alexander Boyes Charles Broskoski Principal Investigator Chef, Cultural Producer, Transdisciplinary Artist Flavour Historian Fermentation Scientist Novel Fermentations Researcher Bio-based Materials Practitioner & Researcher Materials Translator Writer & Musician Writer & Researcher Integrated Producer Co-founder Are.na

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## BATTLES WITH BACTERIOPHAGE (PART 16): Phage therapy as a potential solution in the fight against antimicrobial resistance

Humanities & Social Sciences View all journals Search Q Login 🕅 Communications Explore content ~ About the journal ~ Publish with us  $\sim$ Sign up for alerts  $\square$ **RSS** feed nature > humanities and social sciences communications > articles > article Article | Open Access | Published: 19 May 2020 Download PDF Phage therapy as a potential solution in the fight **Associated Content** against AMR: obstacles and possible futures Collection Charlotte Brives 🖂 & Jessica Pourraz Anti-biosis – social and cultural inquiries into human-microbe relations Palgrave Communications 6, Article number: 100 (2020) Cite this article 43k Accesses | 46 Citations | 37 Altmetric | Metrics Sections Figures References Abstract Abstract Introduction Phage therapy, the use of bacteriophage viruses to treat bacterial infections, has existed for more than a hundred years. However, the practice is struggling to develop, despite growing A brief history of phage therapy support over the past 15 years from researchers and doctors, who see it as a promising On phages' mode of action and potential uses therapy in the context of the rise of antimicrobial resistance (AMR). While the reasons for The regulatory framework: phages as industrial m... these developmental difficulties are complex, in this article we wish to address the effects of Categorizing anti-infectives: phages as an umpte... pharmaceutical regulations on phage therapy. By showing how phages are assimilated to an umpteenth antibiotic in legal texts, but also in certain medical practices, this article proposes Conclusion/discussion to analyze the consequences of such regulatory categorization both for their production and Data availability the logistics of administration of proof of their efficacy in randomized controlled trials (RCTs), Notes as well as the underlying concepts of infection and treatment. This paper follows Chandler's work on the concept of antibiotics as infrastructure and its inversion presented by References antimicrobial resistance. Phages as living, dynamic, evolving, and specific entities, do not Acknowledgements lend themselves easily to current categories, norms, and development models. In this sense, Author information they act as disruptors, revealing the limitations imposed by the existing infrastructure. More Ethics declarations precisely here, and to continue Chandler's initial thought process, this paper aims to show that antibiotics also form a kind of epistemological infrastructure, which acts as a powerful Additional information inhibitor to the development of phage therapy. In this sense antibiotics prevent the **Rights and permissions** development of solutions to the problem they contribute to create. But the difficulties phage About this article therapy faces, as highlighted in this article, can be interpreted as entry points for thinking of Further reading another medicine and imagining other possible futures. This analysis is based on a 3-year fieldwork study (2016–2019) in Europe (France, Belgium, and Switzerland), during which we conducted semi-directed interviews with various phage therapy stakeholders (physicians, researchers, pharmacists, regulators, patients, and patient associations), participatory observation in labs and observations during symposia and workshops on phages and phage

therapy.

Biodegradable Plastics - Can Polyhydroxyalkanoates Be Produced Efficiently From Waste Plant and Animal Oils?

Biodegradable Plastics >"Polyhydroxyalkanoates (PHAs) are a potential replacement for some petrochemical-based plastics. PHAs are polyesters synthesized and stored by various bacteria and archaea in their cytoplasm as waterinsoluble inclusions. PHAs are usually produced when the microbes are cultured with nutrient-limiting concentrations of nitrogen, phosphorus, sulfur, or oxygen and excess carbon sources. Such fermentation conditions have been optimized by industry to reduce the cost of PHAs produced commercially. Industrially, these biodegradable polyesters are derived from microbial fermentation processes utilizing various carbon sources." >"Single-use components for biopharmaceutical manufacturing have a lower environmental impact than reusable components, but disposal is still a consideration."

# **Biofuel Production**



# screen-shot-2022-06-10-at-1.08.07-am.png

#### tablet

Object Type tablet

Museum number 140855

Title

Object: Object: British Museum Society Tablet

#### Description

Clay tablet; record of beer; impressed with five different types of numerical symbol.

Cultures/periods



Substances that keep coming up when learning about insect fungus farming: Penicillin - to control bacteria that would sicken the fungus, comes from body of leaf cutter ant but obviously also antibiotic. Mold kills bacteria. Ethanol - ambrosia beetles are attracted to sick trees with ethanol to start their garden. - Lucy

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# A Philosophy of Recipes: Making, Experiencing, and Kaluing

The "surroundings" we share with microbial life are many given their ubiquity; our bodies, our dwellings, and our ecological niches are "ours" as multiple species, shared in instances of perpetual (at times risky) cohabitation. In this sense, attunement

## Myth: Radical Becmoing In The Ongoing Now Alexandra Neuman



Material Memory is what sticks out to me. A lot of what has been passed through ancient traditions and where all of this knowledge and wisdom is traversing to now. Materials have been the vessels of holding this knowledge and are containing so much memory, memories that are connected to the human and also what is being contained/fermented. This timeline that we can focus on for this would be western science meets indigenous science, so that we are including both perspectives and all of the in between. The materials are a way of passing on knowledge so to speak and now these materials are being reinterpreted for our needs today but also being rediscovered - old meets new or familiar meets unfamiliar.