

Studying life «in and out» of the life sciences



Overarching questions

- How is knowledge about life and life processes made? With what tools and what infrastructures (material, ethical and legal)?
- How are these practices situated in and tied to societal and economic concerns?
- What forms of expertise and knowledge traditions are relevant?
- How do we regulate and administer life matters? Who are included in the "collective" and who are not?
- How and with what means do we value and care for nonhuman animals in science and society?

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Life Science



Erklæring om dyrenes retti

on understantig op oppdragelie skat jake å fremme respekten

sorenskriver Torleiv Bull Njon, presiden

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Approaches: Ethnography, archive studies, document studies, interviews







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ORIGINAL RESEARCH Nonhuman Primates in Public Health: Between Biological Standardization, Conservation and Care Accepted: 2 Ady 2025 / Published online: 21 July 2023 G The Authorisi 2023

By the mid-1960s, nonhuman primates had become key experimental organisms for vaccine development and testing, and was seen by many scientists as important for the future success of this field as well as other bouncifical undertakings. A major bindrance to expanding the use of nonhuman primates was the dependency on wild-captured animals. In addition to unreliable access and poor arimal health, procurement of wild primates involved the circulation of infections diseases and thus also ment of wild primitive sincered the circulation of infections diseases and thin also public health hazards. This paper traces how the World Health (Separation) (WHI) became involved in the issue of primite supply, and shows how by the late 1900, concerns for section Georgians and the conservation of which began to con-verge. How did the WHI) taking public health and animal health? What character-ized the response and with what implications for humans animals? The paper explores how technical standards of care were central to managing the conflicting which is the confliction of the confliction While the WHO's main aim was to prevent public health risks. I argue that imposing new standards of care implied establishing new hierarchies of humans and animals,

Keywords Nonhuman primates - Biological standardization - Care - Conservation - Vaccines - Public health - The World Health Organization

In 1971, the World Health Organization (WHO) organized an international symposium in collaboration with the University of Berne and the Swiss Serum and Vac-cine Institute about the breeding of primates for laboratory use. The Berne symposium was one of several meetings that would be organized by the WHO in the coming decades that addressed the problems of supply, health hazards, breeding and use of nonhuman primates in the context of the cont

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Building Transnational Bodies: Norway and the International Development of Laboratory Animal Science, ca. 1956-1980

Tone Druglitro University of Oslo E-mail: towe drughtreliktik nix no Robert G. W. Kirk

This action, shapes, believed a propose on examine the footbasement of Laboratory. Named Southern and Medicine, an outlier field with the control to Globerth ow the of the humboold science by resonancially impriving laboratory aimed production; provision, and maintenance and the past become Mind Med protecting. Some conjugate how Laboratory should Southern and students of the past become believe the control of the past Science and Medicine in Norway, which both informed wider transnational developments and was formed by them. We show that Laboratory Animal Science and Medicine can only be properly understood from a spatial perspective; whilst it developed and was tructured through unional "centers," in orientation was transactional necessitating international networks through which knowledge, practice, technologies, and animals circulated.

More and better laboratory animals are today required than ever before, and this demand will continue to rise if it is to keep pace with the quickening trimps of bological and veterinary research. The provision of this fiving experimental material is no longer a local problem; local, that is, to the research institute. It has become a rutiousd concern, and, in some of its aspects . . . even interrutional, (William Lune-Petter 1987, 240)

Writing in 1957, William Lane-Petter, a leading British expert on laboratory animal production, provision, and management, identified three formative and interrelated demands that had shaped and sustained the rapid growth of the biomedical sciences during the years immediately following the Second World War: more laboratory Check for updates "Skilled Care" and the Making of Good Science

Tone Druglitrø

Abstract
This article investigates the construction of laboratory animal science as a version of "good science." In the 1950s, a transnational community of scientists initiated large-scale standardization of animals for biomedicine, which included the standardization of care of laboratory animals as well as the development of guidelines and regulations on laboratory animal use The article traces these developments and investigates how the standar-dization work took part in enacting laboratory animals as compound objects of care-and laboratory animal science as being an intrinsically ethical practice—as good science. Importantly, the analysis shows how technological development is inextricably accompanied by ethics, as it is the result of complex social organization involving multiple ethical commit-ments. By investigating the development of laboratory animal science his-torically, it is possible to tease out how values, norms, and standards have been made integral to specific practices in the first place and how they have concerns in science and technology studies about how life is made, valued, and ordered at the intersection of science and society and in biomedicine

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Routledge @ OPEN ACCESS Procedural Care: Licensing Practices in Animal Research Tone Druglitre TIK - Centre for Technology, Innovation and Culture, University of Oxio, Oxio, Norway

Animal research has always bern controversial. Accordingly, since the second half of the nineteenth century, governments in Europe have sought to regulate the use of animals in science (Asdal, 2008, p. 901; see also Dirke, 2000). Being deemed both a morally problematic and socially necessary practice for biomedi-cal knowledge production, governing animal research has proved to be complex In Norway, this article's empirical site, significant changes have been made to the licensing system in the past decade. This development must be seen in a CONTACT Take Drugilite on time drugiliteophikusis no TX - Center for Technology, Inconstion and Culture, University of Data, P.D. Ros 1 138, Bloden, 5317 Data, Novey; The self-of-his forest constraint of his missey channels. These phases do not intend 1.

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Experimenting with care and cod: On document-practices, versions of care and fish as the new experimental animal



Tone Druglitrø and Kristin Asdal

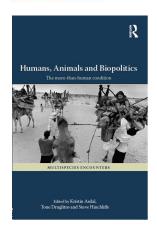
Abstract.

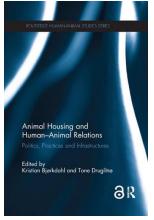
A key arabition in care studies has been to study care in practice and as practice. By curring towards practices, care studies has rendered visible and advonwiseged important work that is not captured through looking is formal procedures or official and written meterish, such as policy documents and medical prosocok. In this literature, document naterials and the written has officed the care as unable to demonstrate and address of the "profiticios" or directly find of all. 2010, p. 9). We challenge this view by showing how pragmatically-oriented approaches can be extended to the procedural and formalized aspects of care practices. We draw upon fieldwork extended to the procedural and formalized aspects of care practices. We draw upon heldwork in the file solence—comparative immonology—insertigated through experiments on Adlastic cod (Golda Menhus). How to care for fish is a contested domain; many uncertainties exist around how to care for file to that legisl regionerents are next. We also. How are existing, legisl and esticial principles and procedures put to work in cod immunology and ainmal research file what document-practices and document-orion is care for one on research neglostated and settled. How does the cod stand out as an object of care in the life sciences? Our article answers these questions by empirically seasing out how scientists navigate the terrain and arguing for the importance of bringing the document-based realities of animal research into analysis. We do this by delineating three different versions of care: procedural care, skilled care, and dispassionate care.

care studies, document analysis, animal research, fish, laboratory studies

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perspectives, stories and actors that are usually made subjects of historical affected my own engagement with the history of laboratory animals in Monway. It a shift to writing animal stories for the sake of animals, but to write stories when humans and animals are considered mutually shaped and affected by each other, and how these interactions have world-transforming effects.

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Article

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Tracing Data Flows in Norway and Austria: A Comparative Study of Vaccination Data Governance

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Abstract

The increased importance of dataflication in different domains of society, and health in particular, has generated much attention in STS, specifically in the Nordic context. While much of this literature tackles newly emerging forms of data governance, we focus on a historically established and mundane data practice: that of recording vaccinations in vaccine registries. We mobilise the concept of data flows to compare the link between registry practices and governance in two countries: Norway – a data intensive welfare state – and Austria, which we label 'data hesitant.' We ask: What is the role of registries in vaccination governance? How do data practices shape and reflect relations between citizens, health providers and the state? We show that the governance of immunity is interlocked with the material and political circumstances that make data flow. The paper makes visible the benefits of doing situated comparisons for better understandings of data practices across countries.

Keywords: Registries, Vaccination Governance, Data Flows, Norway, Austria

Introduction

The COVID-19 pandemic revealed the immediate relevance of immunisation data for vaccination governance. For many national immunisation programs, data registry practices appeared insufficient for providing an accurate account of vaccine coverage or target risk groups, and to make prioritizations as to who should be vaccinated and when. One example is Austria, where in January 2022, the parliament passed a new law by which

COVID-19 vaccination became mandatory for residents above the age of 18 (with several exemptions). Yet amongst other things, it was unclear how those who had not been vaccinated could be identified and how compliance with the vaccine mandate could be monitored. It appeared impossible to link the newly established vaccine registry with the existing population registry and the epidemiological registry (which the cords people who



CHAPTER 6

When Authority Goes Viral: Digital Communication and Health Expertise on *pandemi.no*

Kristian Bjørkdahl and Tone Druglitrø

Abstract One of the most pressing questions concerning pandemic preparedness and response today is how digital media can and will change pandemic communication: In a future pandemic, effective use of digital media could mean the difference between marginal and massive loss of human lives. In this chapter, we are interested in how medical experts can retain their status in an environment where many—partly because of digital media—have come to distrust mainstream expertise. We study the Norwegian health authorities' emergency web page, pandemi.no, and argue that it failed to use the affordances of the medium to develop features that acknowledge the actual concerns and voices of the public.

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(Sustainable) life and innovation in the life



- (1) how researchers in the life sciences are being held accountable to society and the economy and what that practically means,
- (2) the work and means that it takes to sustain a career and a research environment, and
- (3) how the life of nonhumans in the life sciences are valued and cared for.

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