

AMR & THE BIOECONOMY

**WHAT'S AT STAKE
WHEN
PUSHING
INNOVATION IN
AMR RESEARCH?**

**HOW DO
COMMERCIALISATION
STRATEGIES AFFECT THE
KNOWLEDGE AND
ACTIONS PRODUCED
AGAINST AMR?**

**WHERE DOES AMR
RESEACH AND
INNOVATION
FIT WITHIN
THE NORWEGIAN
BIOECONOMY?**



**CENTRE FOR
DIGITAL LIFE
NORWAY**

**"DIGITAL LIFE NORWAY" IS A NODE BASED CENTRE FOR
BIOTECHNOLOGY RESERACH WITH A FCOUS ON
DIGITALIZATION, CONVERGENCE AND INNOVATION**

**AMR RESEARCH
PROJECTS**

DigiBiotics

INBioPharm

**3D life
Auromega
APT
Lab on a chip**

dCod 1.0

**Oxymod
DigiSal**

**DigiBrain
BioZement 2.0**

PROJECT:

**Res publica - Responsibility, practice and the
public good across Digital Life Norway**

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BIOTECHNOLOGY FUNDING SHALL STIMULATE A BIO-ECONOMY AND SOLVE SOCIETAL CHALLENGES, BUT HOW WELL DO THESE TWO AIMS GO TOGETHER? WITHIN ANTIMICROBIAL RESISTANCE, THE PHARMA INDUSTRY HAS WITHDRAWN FROM INVESTING IN INNOVATIVE RESEARCH. DUE TO THE QUICK ADAPTION OF MICROORGANISMS, NEW ANTIBIOTICS QUICKLY MISS THEIR EFFECTIVENESS AND NEED TO BE REPLACED. THUS, THEY GENERATE LITTLE PROFIT FOR THE PHARMA INDUSTRY. STILL, MANY PUBLIC RESEARCH PROJECTS PURSUE RESEARCH TO SOLVE THE ISSUE OF AMR. PUBLIC FUNDING ORGANISATIONS INVEST INTO THESE BIOTECHNOLOGY PROJECTS IN ORDER TO GENERATE VALUE AND CREATE JOBS. HOWEVER, AMR RESEARCH RESTS UNEASY AT THIS INTERFACE BECAUSE OF THE BEFORE MENTIONED CHALLENGES OF TRANSLATING RESEARCH RESULTS INTO COMMERCIAL PRODUCTS. THUS, CONTRIBUTING TO A BIOECONOMY BASED ON ANTIBIOTICS MIGHT BE A PARTICULARLY DIFFICULT ENDEAVOUR.

WITHIN THE CONTEXT OF THE "DIGITAL LIFE NORWAY" RESEARCH CENTRE, THE "RES PUBLICA" PROJECT WILL EXPLORE HOW INNOVATION COORDINATORS, POLICY MAKERS AND SCIENTISTS CONSTRUCT KNOWLEDGE AND ACTION AGAINST AMR, WITH A PARTICULAR EMPHASIS ON THEIR INNOVATION AND COMMERCIALISATION STRATEGIES. WE ASK: WHAT ISSUES MIGHT BE AT STAKE WHEN AMR RESERACH ALSO SOULD BE INNOVATION?



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NTNU

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