

Tanker om interdisciplinaritet og tværfagligt forskningssamarbejde

JENS SEEBERG

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So, you want to be interdisciplinary ...

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Pay your dues Traditional disciplines give you a strong base from which to launch yourself. "If

you're not well-versed in your own discipline, you can't do it," says Kathlee... affairs for inter... University in

Listen — and explain "Traditional disciplines have very different cultures, languages, criteria for judging work, and different senses of what science is about. It's

very easy to look over your shoulder and say 'that's a burden' and not realize how important to make sense of the world it is.

Be humble Meetings of minds don't work if one party does all the talking, says Marten Scheffer from Wageningen University in the Netherlands. "Humility is essential at interdisciplinary meetings. If you have a strong opinion, say it, but listen to what other people it can do for you."

Be patient Sean Eddy of Janelia Farm in Virginia started his research career as a developmental neurobiologist. He's now a computational biologist. "I didn't know what I was doing until his early 20s. My computer science background was slow and steady, but now that I feel comfortable in one or four fields, I'm starting to see the value of interdisciplinary work."

Be brave Exploring new ground is risky, says Janelia Farm director Gerald Rubin. "This isn't a place for every scientist. You need a large amount of self-confidence and the willingness to take risks. We say: 'We're going to bet \$10 million, and you're going to bet your career'."

John Whitfield: An indifference to boundaries

J.W.

Forskellige perspektiver



Forskellige kulturer



Forenelige verdener?

Forskellige videnskabssyn
(epistemologi)

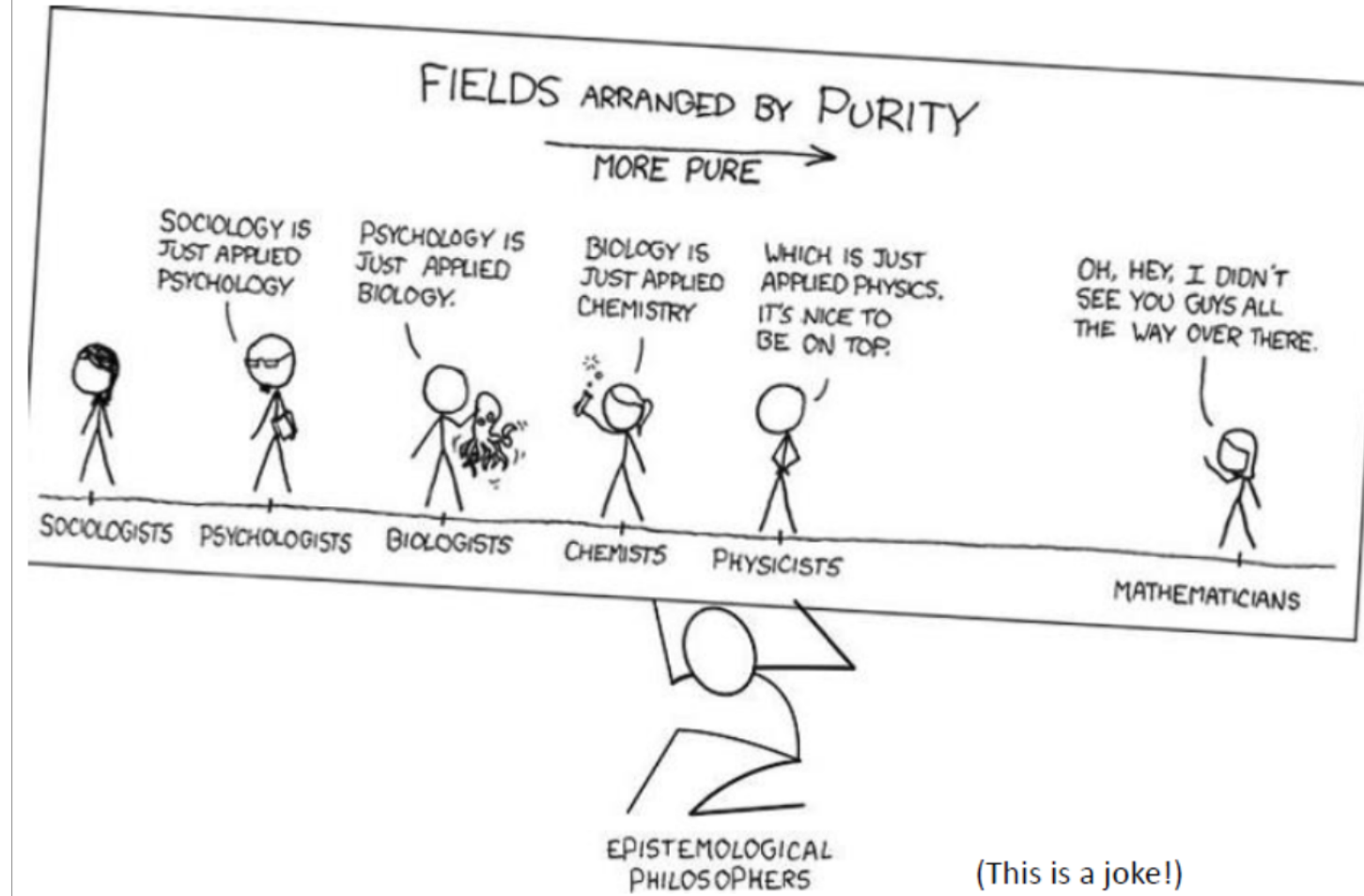
Forskellige opfattelser af verden
(singulær eller multipel ontologi)

Forskellige metoder

Forskellige kvalitetskriterier

Forskellige forskningsspørgsmål

FÆLLES PROJEKT!



Begrebsafklaring

Transdisciplinary Research	Multidisciplinary Research	Interdisciplinary Research
<p>Collaboration in which exchanging information, altering discipline-specific approaches, sharing resources and integrating disciplines achieves a common scientific goal (Rosenfield 1992).</p>	<p>Researchers from a variety of disciplines work together at some point during a project, but have separate questions, separate conclusions, and disseminate in different journals.</p>	<p>Researchers interact with the goal of transferring knowledge from one discipline to another. Allows researchers to inform each other's work and compare individual findings.</p>

Medicinresistens - sygdomsspecifikt

Sygdoms/bakteriespecifik tilgang

MRSA

MDR-TB

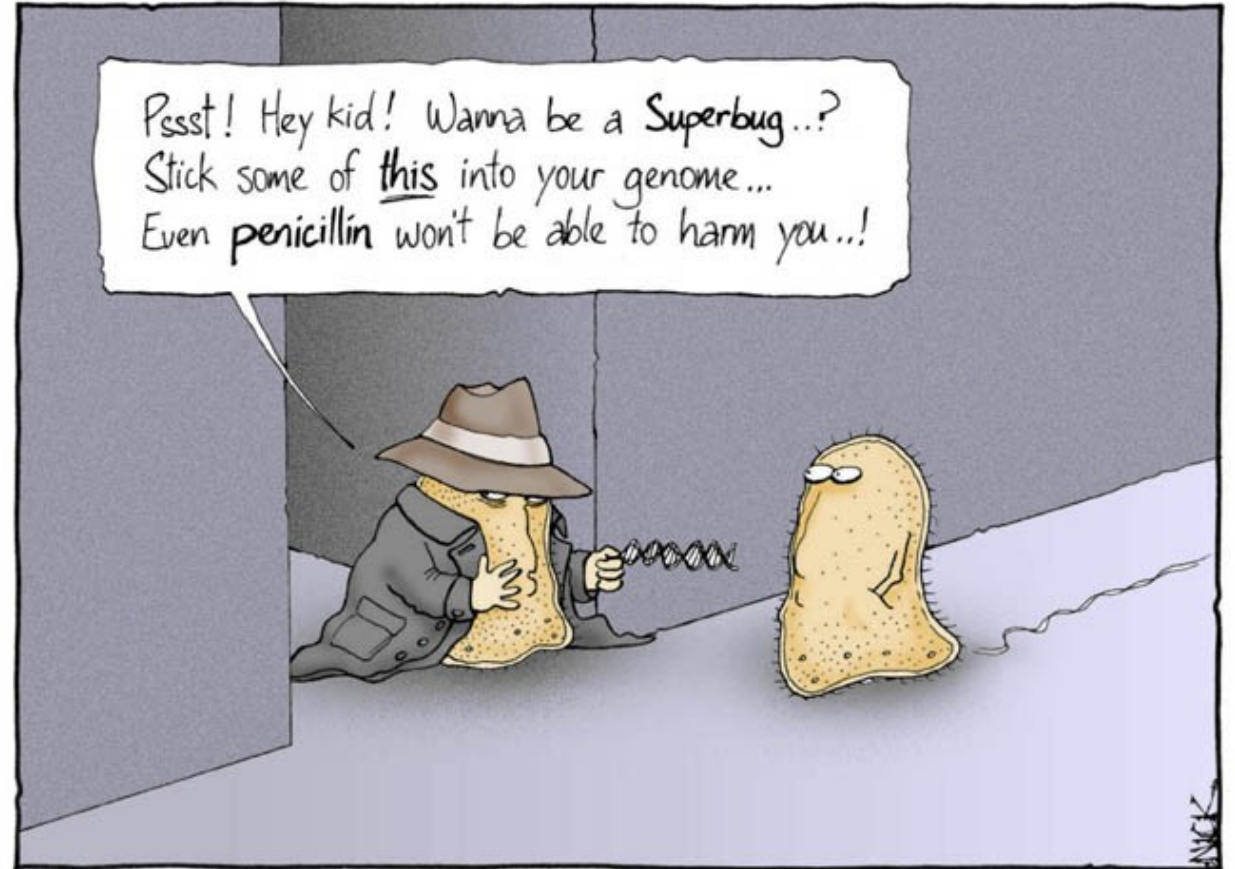
Pseudomonas

Klebsiella

ETC...

Globalt/lokalt
perspektiv?

Men organisering af samarbejde baseret på sygdom/ mikroorganisme synes for snævert i udgangspunktet



It was on a short-cut through the hospital kitchens that Albert was first approached by a member of the Antibiotic Resistance.

Medicinresistens - tværfagligt

Genetisk

Cellulært

Farmakologisk

Human økologi

Zoonose

Sociale praksis

- Klinisk
- Patientadfærd
- Landbrug, etc.

Sundhedssystemer

Politiske diskurser

Politisk regulering

Økonomi

Medier

Historiske dimensioner

Filosofisk begrebsafklaring



5-29-11

Strategiske fordele

Ikke bundet af specifikke krav/begrænsninger (call for proposals, projekt) på forhånd

Mulighed for at udforske forskellige discipliners bidrag til at forstå fænomen af fælles interesse (videndeling)

Mulighed for at synliggøre hvad vi (hver især) **ikke ved** og hvor der er 'scope' for tværfagligt samarbejde (forskningsudvikling)

Identifikation af specifikke forskningssamarbejder og finansieringskilder

Horizon 2020... Andre...

Budget

Network activities*	2014	2015	2016	2017	Total
1. Consolidation of network at AU	2000	12000			14000
2. Exploration of disciplinary and interdisciplinary potentials		10000			10000
3. Identification of priority areas of interdisciplinary research		15000			15000
4. Colloquium on drug resistance		38000	40000	38000	116000
5. Identification of partners for externally funded research application		25000			25000
6. Conference on interdisciplinary approaches to research			60000		60000
7. Development of large external research application				60000	60000

Foråret 2015

Anden fredag måneden: 9.1. - 13.2. – 13.3. – 10.4. – 8.5. kl. 14-16: Oplæg om egen forskning med ideer til tværfaglige projekter, 1-2 oplæg per gang, focus på bestemte fagligheder

1½-dags workshop med identifikation af interessefelter for potentielle forskningssamarbejder samt fremtidsplanlægning

- Forslag: Kaløvig kursuscenter. 11.-12. juni

