

Nebenfach Biologie Biotechnologisches Zentrum (BIOTEC)

Dr. Thomas Wächter
Lehrstuhl für Bioinformatik

Dresden, 12. Februar 2011

Nebenfach Biologie am Biotechnologischen Zentrum (BIOTEC)

▶ GENOMICS

- ▶ Arbeit mit Genomen von Organismen

▶ PROTEINOMICS

- ▶ Struktur und Funktion von Proteinen

▶ BIOINFORMATICS

- ▶ Sammeln und sortieren
- ▶ Annotieren und visualisieren großer Datenmengen
- ▶ Datenbanken, Algorithmenentwicklung, Statistische Analysen, Computergestützte Verfahren

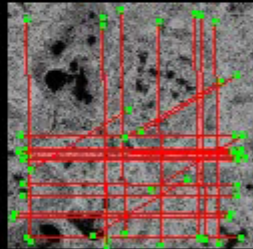
▶ Unterrichtsprache Englisch

▶ Lehrveranstaltung des Studienganges “Molecular Bioengineering”



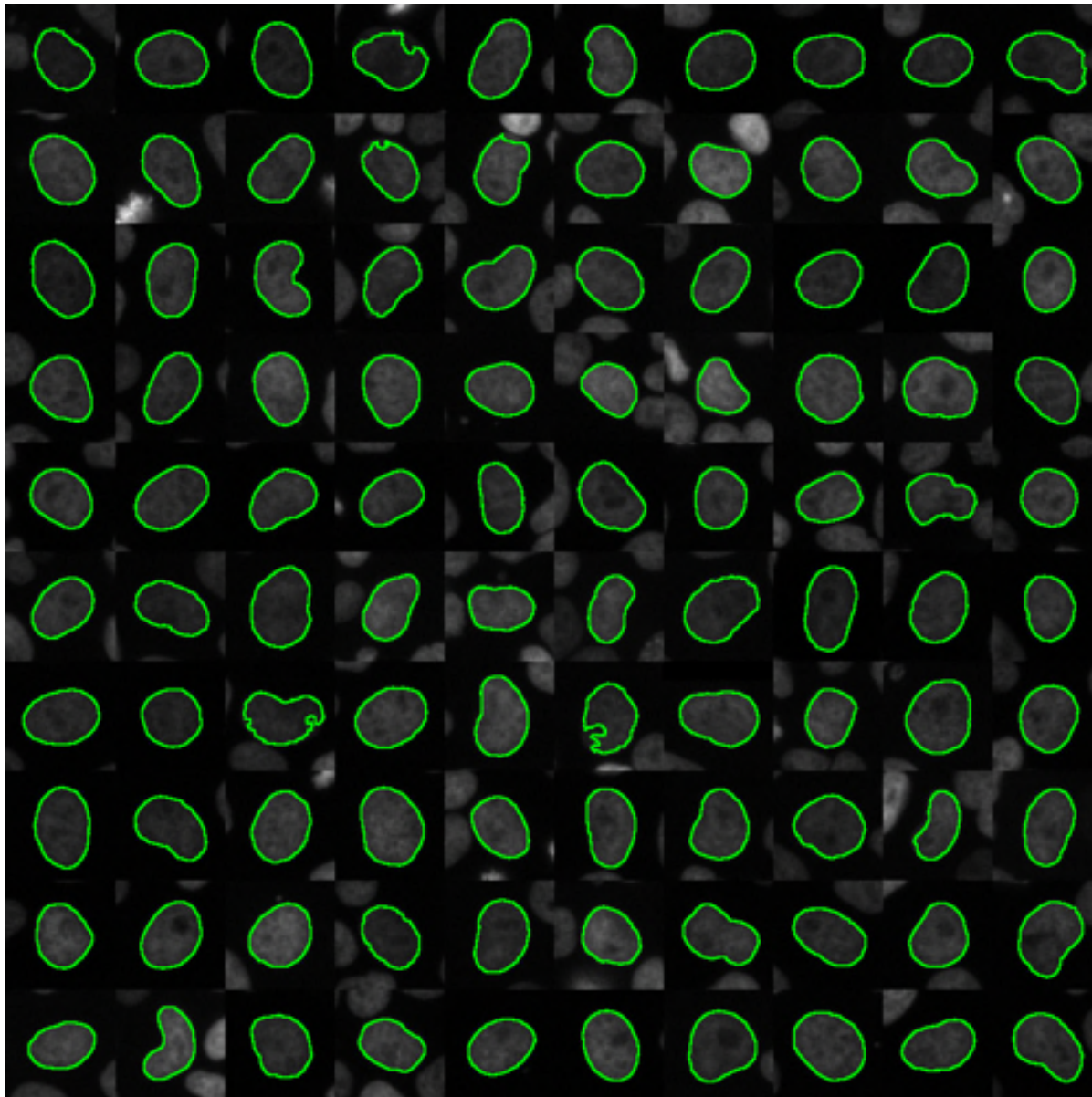
**Stefan Saalfeld,
MPI-CBG, Dresden**

Registrierung von
Mikroskopaufnahmen der
Fruchtfliege



0 : 0





Michael Held
ETH Zurich

Nebenfach Biologie
Jahrgang 1999/2000

Maschinenlernverfahren zur
Unterscheidung von
Zellteilungsphasen

my search

what

- 3Rs Categories
 - 3Rs Related Categories [144,272]
 - 3Rs Replacement Alternative Methods [105,296]
 - 3Rs Refinement Alternative Methods [7,429]
 - 3Rs Reduction Alternative Methods [2,937]
 - 3Rs Relevant (AUTOMATIC CLASSIFICATION) [10,589]
- Knowledge Base
 - Go3R Ontology [17,334 M]
 - Substances, Preparations & Products [10,883 M]
 - Life Sciences [10,706 M]
 - Diseases & Symptoms [10,341 M]
 - Body Systems & Structures [8,540 M]
 - Animal Species [7,651 M]
 - Method Specification [5,835 M]
 - Methodologies [5,766 M]
 - Cultured Cells, Tissues, Etc. [3,378 M]
 - Statistics [2,667 M]
 - In Vitro Experimental Design [2,157 M]
 - In Vivo Experimental Design [1,652 M]
 - Properties & Effects of Substances & Products [1,228 M]
 - Cell Culture Technology, Etc. [0,513 M]
 - Testing & Assessment of Substances & Products [431,669]
 - Toxins and Pollutants [308,669]
 - Animal Experiments [184,639]

find it

20,287,015 documents semantically analyzed

statistics

documents

- Therapy: Rituximab has similar **short-term** safety and efficacy to **cyclophosphamide** in ANCA-associated **vasculitis**.
Nanda, Shreeya PMID: 20925151 Related Articles
Journal: *Nature reviews. Rheumatology*, Vol. 6 (10): 556, 2010
No abstract given.
- MMF for juvenile **derMatoMyositis**.
Warde, Nick PMID: 20925150 Related Articles
Journal: *Nature reviews. Rheumatology*, Vol. 6 (10): 555, 2010
No abstract given.
- Connective tissue diseases: **Blood** flow assessment at your fingertips.

Thomas Wächter
BIOTEC, TU Dresden

*Nebenfach Biologie
Jahrgang 1999/2000*

Comparison of the primary rat spinal cord cell (RSC) assay and the mouse bioassay for botulinum neurotoxin type A potency determination.

Pellett, Sabine, et al.

PMID: 20100585 Related Articles



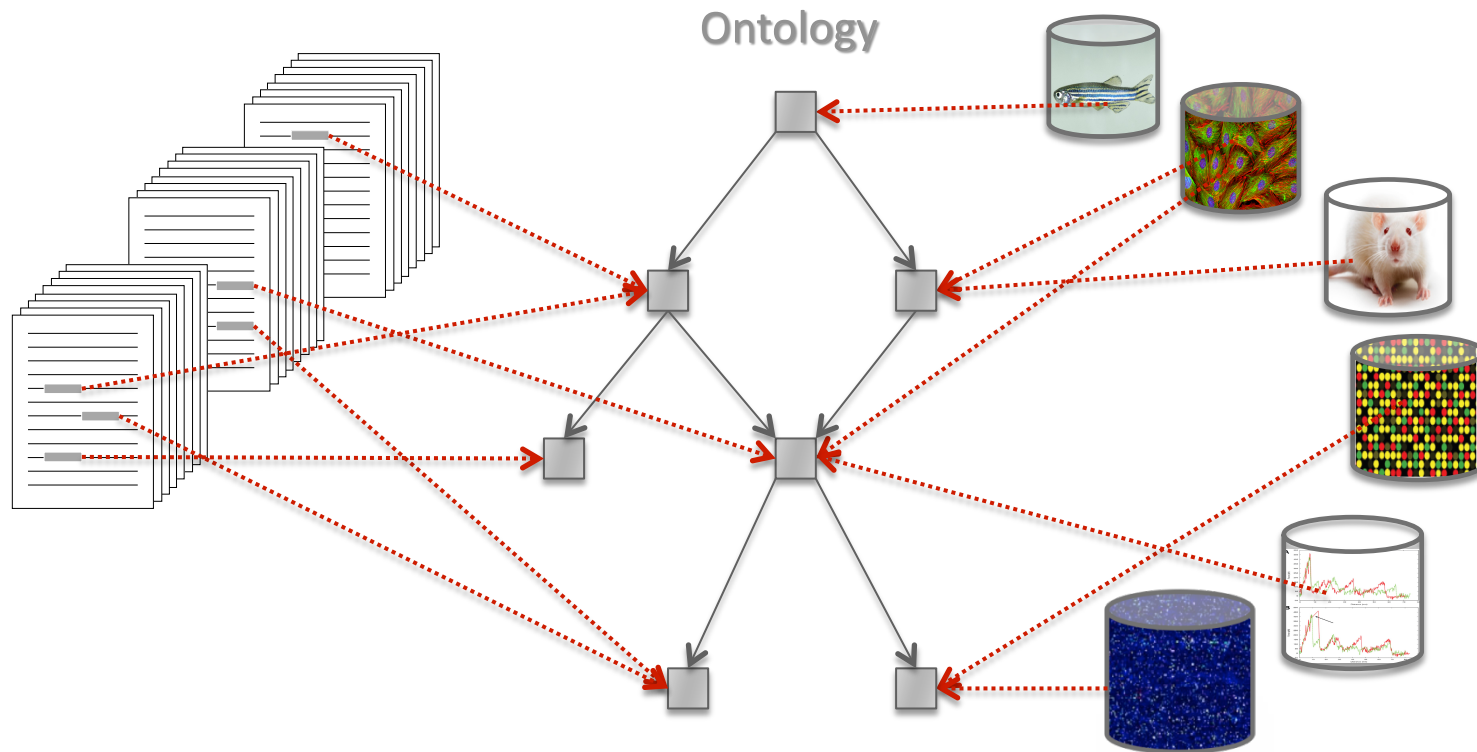
Journal: *Journal of pharmacological and toxicological methods*, Vol. 61 (3): 304-10, 2010 May-Jun

A cell-based **assay** using primary **rat spinal cord** cells (**RSC assay**) has been previously reported to **sensitively** detect purified **botulinum neurotoxin type A**, and requires all **biological** properties of the **toxin** for detection.

Affiliation: Department of Bacteriology, University of Wisconsin, Madison, **Madison, WI 53706, USA.**

Data Mining & Text Mining

20 Millionen Publikationen
100 Millionen Patente
WWW



Classes
Class definitions
Taxonomic + other relations
(lexical information, labels, synonyms)

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