



Universiteit Utrecht



UMC Utrecht

Good practices and challenges in an interfaculty doctoral programme

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Graduate School of Life Sciences



The Life Sciences Ecosystem: Utrecht Science Park





Interdisciplinarity in Life Sciences PhD education in Utrecht

- A PhD candidate is an employee
- Late '80s: Research Schools
 - local or national: mass
 - QC by the Royal Netherlands Academy of Arts & Sciences (KNAW)
- Mid '00: Graduate Schools
 - local
 - QC by the university itself

Graduate School of Life Sciences



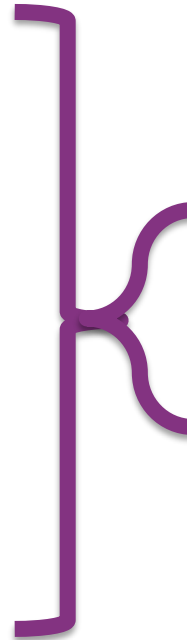
Vet. Med.



UMC Utrecht



Science



14 Master's programmes
± 1,100 MA students

14 PhD programmes
± 1,800 PhD candidates



Research-based education

Research Programme	Master's Programme	PhD programme
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Cancer	- Cancer, Stem Cells & Developmental Biology	- Cancer, Stem Cells & Developmental Biology
		- Clinical & Translational Oncology

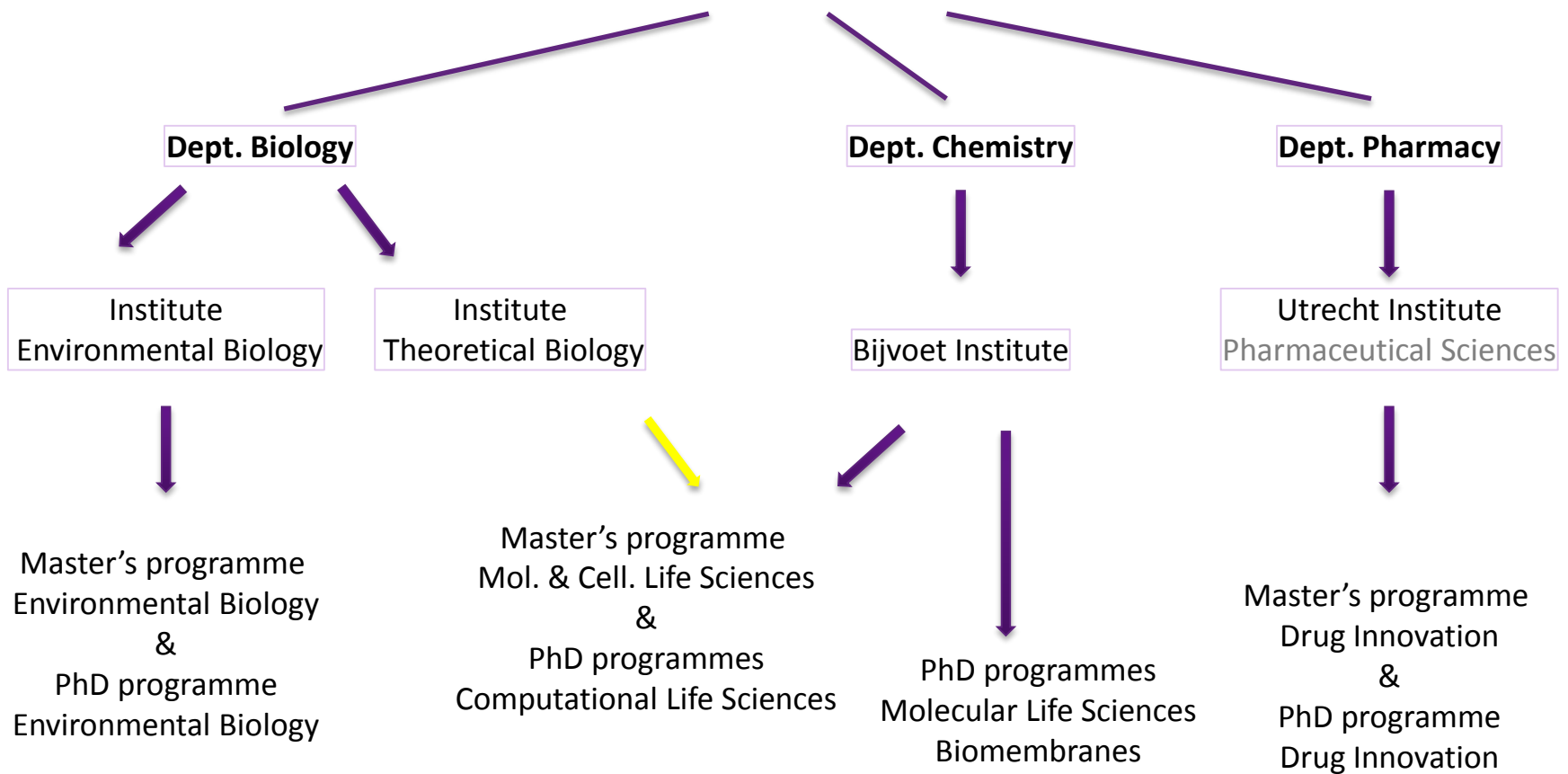
Regenerative Medicine	- Cancer, Stem Cells & Developmental Biology	- Regenerative Medicine
	- Regenerative Medicine & Technology	
	- Biofabrication (2015)	

Public Health	- Neuroscience & Cognition	- Clinical & Experimental Neuroscience
	- Biology of Disease	- Cardiovascular Research
	- Epidemiology	- Epidemiology
	- Infection & Immunity	- Infection & Immunity
	- Toxicology & Environmental Health	- Toxicology & Environmental Health

Basic Science	- Drug Innovation	- Drug Innovation
	- Environmental Biology	- Environmental Biology
	- Molecular & Cellular Life Sciences	- Molecular Life Sciences
		- Biomembranes
		- Computational Life Sciences
	- Biomedical Image Sciences	- Medical Imaging
	- Science & Business Management	
	- Bioinspired Innovation (2016)	

Organisation

Faculty of Science



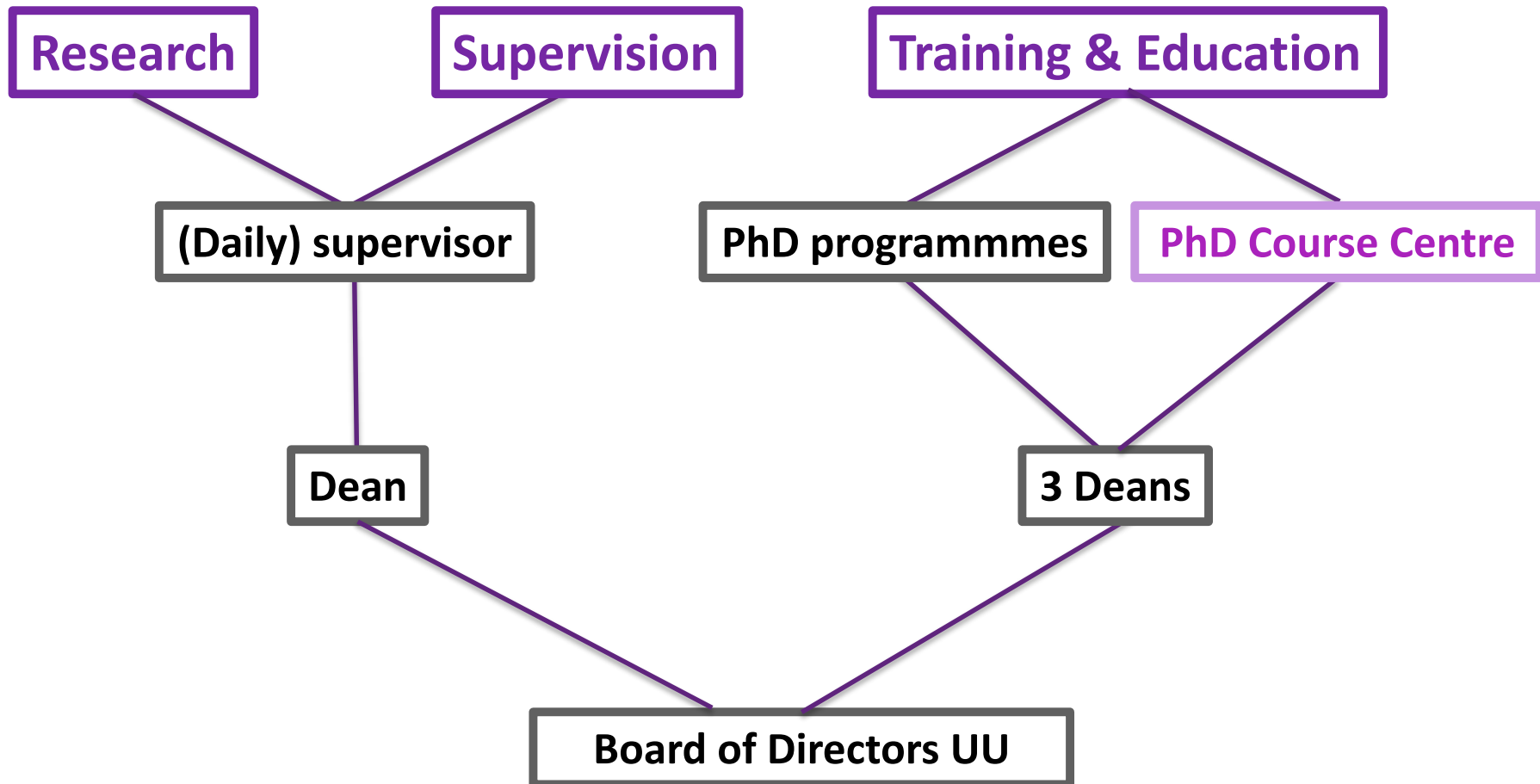


Graduate School of Life Sciences (2013)

PhD programme	Science	Vet. Med.	UMC Utrecht	Hubrecht	Other	Total
Biomembranes	57	8	8	1		74
Cancer, Stem Cells & Developmental Biology	20	7	67	58	3	155
Cardiovascular Research			88			88
Clinical & Experimental Neuroscience	4	12	166			182
Clinical & Translational Oncology			39			39
Computational Life Sciences	15	2				17
Drug Innovation	119	3				122
Environmental Biology	43				18	61
Epidemiology		11	92		2	105
Infection & Immunity	2	46	131	1	7	187
Medical Imaging			144		8	152
Molecular Life Sciences	59		2			61
Regenerative Medicine		17	49	1		67
Toxicology & Environmental Health		39				39
Total in programmes	319	145	786	50	45	1,349

Not in a programme	114	113	273			500
Total	433	258	1059			1,849

QC & Responsibilities: who does what?



Graduate School of Life Sciences

Quality Assurance Plan

*A PhD candidate is the driver
of his/her own professional development*

Training

- Disciplinary PhD programmes
- General scientific & transferrable skills
- Career perspectives

Supervision

- Admission to the PhD track by the Board for the Conferral of Doctoral Degrees (UU)
- Training & Supervision Agreement (GS-LS)
- Supervisor
- Daily supervisor
- Annual assessment interviews
- Supervisory Committee (2013)
- Confidants