

Facilitating undergraduate research in Germany:

Experiences from establishing the international BM(EU) programme

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European Bachelor of Medicine: BM(EU)

- Partnership with a German healthcare provider, *Gesundheit Nordhessen Holding (GNH)*
- Two years in Southampton (UK), three years in Kassel (DE)
- Southampton exams
- Bi-lingual programme
- Annual intake: around 25 students
- Regulated by the General Medical Council (UK)



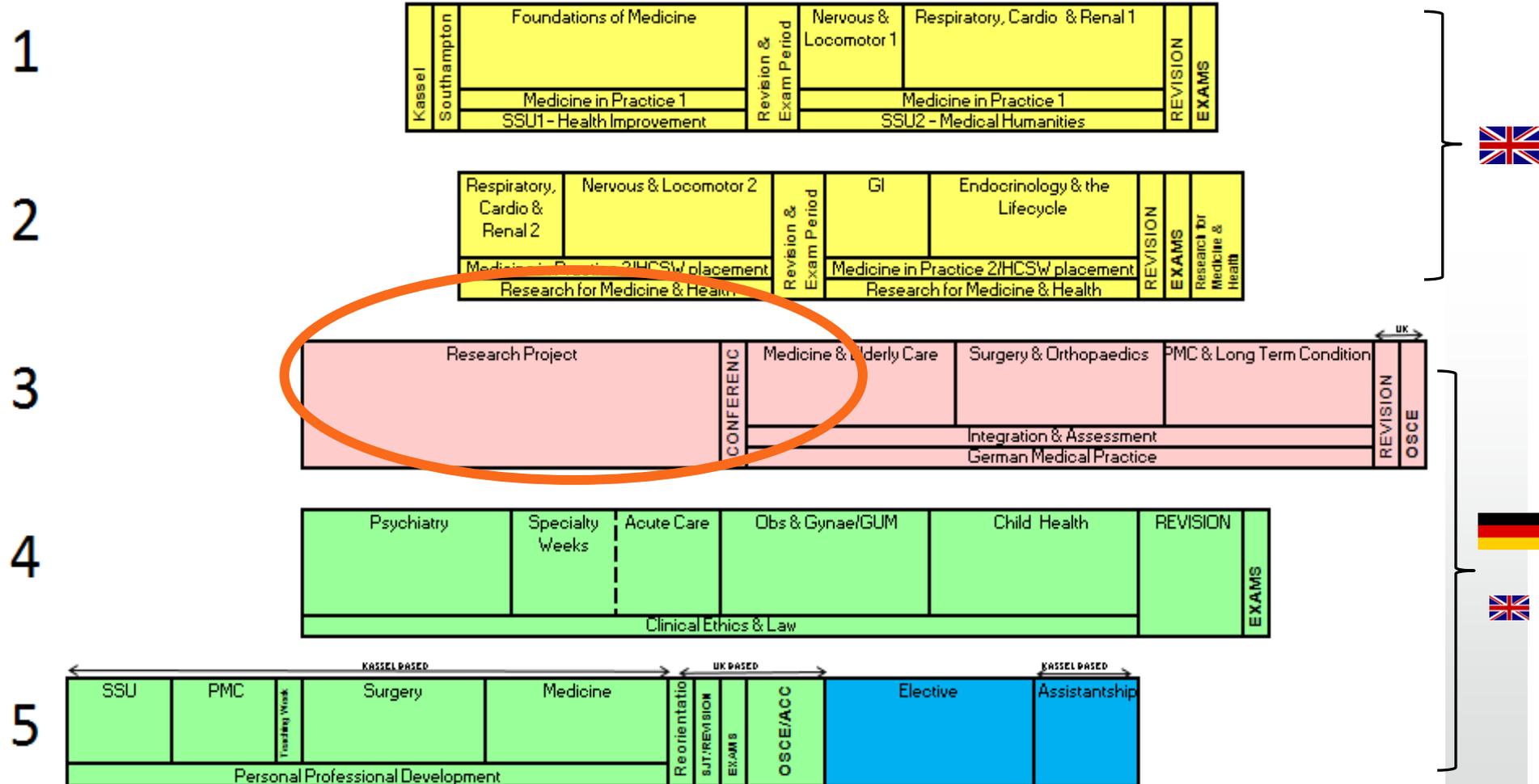
Students' first day in Kassel, September 2016

The Research Project

Delivered at Southampton (since 1974)
and in Kassel (since 2015)

BM(EU) map

- Key:
- Fundamentals of medicine
 - Progression into clinical practice
 - Developing clinical practice
 - Preparing for independent practice



Y2 Preparatory module: *Research for Medicine & Health* (1/2 day a week), includes a general introduction to wide range of research methods, an assessed critical appraisal component, a multiple choice exam and a formative research project proposal (with lots of feedback).

In June:
Tailored
'how to'
workshops

Respiratory, Cardio & Renal 2	Nervous & Locomotor 2	Revision & Exam Period	GI	Endocrinology & the Lifecycle	REVISION	EXAMS	Research for Medicine & Health
Medicine in Practice 2/HCSW placement			Medicine in Practice 2/HCSW placement				
Research for Medicine & Health			Research for Medicine & Health				

Research Project	CONFERENCE	Medicine & Elderly Care	Surgery & Orthopaedics	PMC & Long Term Condition	REVISION	OSCE
		Integration & Assessment				
			German Medical Practice			

Y3 *Research Project module*: 16 weeks from September to December. Followed by the research project conference in January. Ethics approvals must be gained pre-September. On successful completion of Year 3: an integrated BMedSc degree is awarded (at graduation).

Project module aims

- To enable students to access and critically review the literature relating to their chosen field
- To enable students to design, carry out and report on a research project in their chosen field
- To give students experience of presenting and defending their findings to an audience

Different types of projects are available, including service evaluations & clinical audits. Projects are offered in laboratory, hospital or community settings and include biomedical as well as social science research topics.

Assessments of the Project module

- Conference presentation (includes abstract and Q&A) 15%
- Supervisor assessment of student's project performance 15%
- Final Report of 5-6000 words
Assessed by double blind-marking (electronically) with subsequent agreed marking phase 70%

Key issues for successful projects

- Supervisors: staff time / enthusiasm / clusters
- Preparing individual projects: design > proposal > feedback > ethics application
- Supporting students: presentations, statistics, searching. Peer & pastoral support
- Conference presentations = become vehicles for scholarly communication beyond the programme.

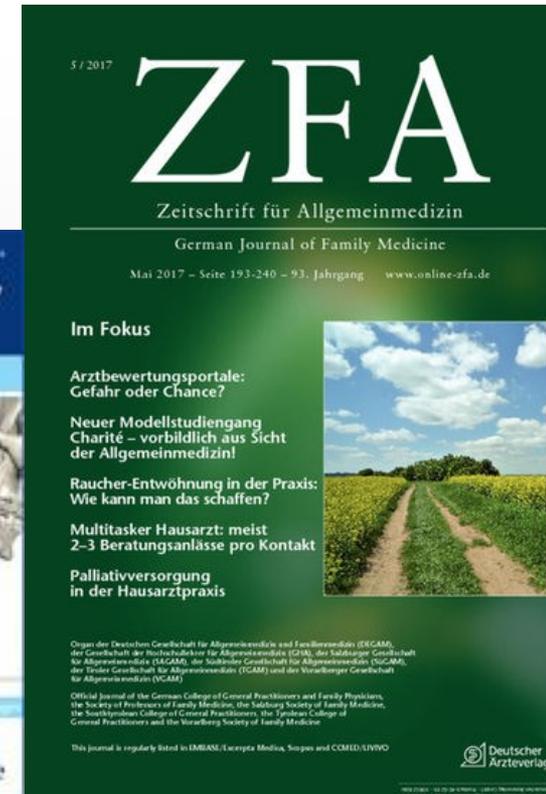
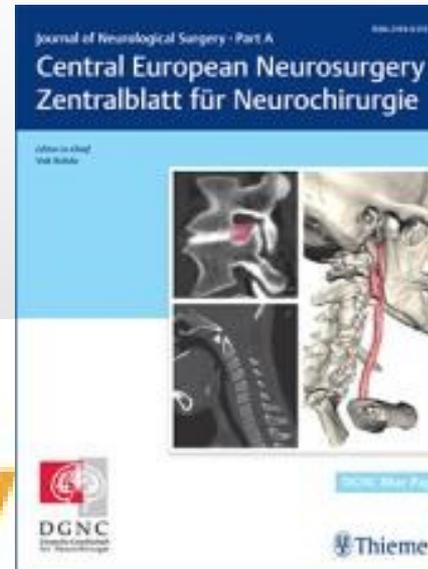


BM(EU) contributions to science



- *Kongress für Infektionskrankheiten und Tropenmedizin*
- *28. Symposium Intensivmedizin & Intensivpflege*
- *European Delirium Association Annual Meeting*
- *ADKA (German Congress on Clinical Pharmacy)*
- *Fortbildungswochenende Intensivmedizin*
- *DAC (German Anaesthetics conference)*
- *Neurowoche (Neuroweek)*
- *Various medical student conferences*

European Neurology



Discussion

- Patient safety through awareness of changing evidence searching, appraising and summary skills – medium term
- Developing the next generation of clinical academics - longer term
- Staff development & assessments: working towards shared standards
- Ethics approvals: getting it right & being proportionate
- Preparing and supporting increasingly independent learners



Latest GMC report on the BM(EU) programme:

https://www.gmc-uk.org/-/media/documents/kassel-school-of-medicine-report-_pdf-75973749.pdf

How the BM(EU) programme was developed:

https://www.southampton.ac.uk/meded/curriculum_design_and_delivery/bmeu.page

Admission requirements to the BM(EU) programme:

<https://www.klinikum-kassel.de/index.php?parent=5123>

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