Gehonoreerde projectvoorstellen

Eind 2014 is de eerste oproep gelanceerd voor het indienen van projectvoorstellen voor de stimuleringsregeling Open en Online Onderwijs. Aan de volgende projecten (in alfabetische volgorde) heeft de minister van OCW subsidie verleend:

- Codarts Rotterdam - Muziekt��学的 educatie online
- Erasmus Universiteit Rotterdam - Flipping the Master - Efficiëntere voorbereiding van de klinische stages in de masterfase van geneeskunde
- NHL Hogeschool, Haagse Hogeschool - Denken, doen, delen
- Tilburg University, Open Universiteit Nederland - Data Science voor alfa en gamma
- TU Delft - From campus students to professional learners: Flexible learning paths in Responsible Innovation
- Universiteit van Amsterdam - Open Online Cursus Big History
- Universiteit Leiden - On Being a Scientist
- Universiteit Leiden en Universiteit Maastricht - Topic Oriented Open Learning (TOOL) platform Anatomy.info
- Universiteit Utrecht - Open en Gepersonaliseerd Statistiekonderwijs
- Wageningen University - Open en online cursus Systeemanalyse en Duurzaamheid
- Wageningen University - Open en online cursus Voedsel veiligheid

University Leiden and University Maastricht
Topic Oriented Open Learning (TOOL) platform
Anatomy.info

Supported by and with contributions of depts. anatomy from:
• Amsterdam, ACTA - Ma-Education Dentistry
• Amsterdam, AMC – UVA (*University of Amsterdam*)
• Amsterdam, VUMC – VU (*Free University*)
• Antwerp, University of Antwerp
• Ghent, University of Ghent
• Groningen, UMCG (*University Medical Center Groningen*)
• The Hague, The Hague University of Applied Sciences, Technology of Physical Motion
• Hasselt, University Hasselt
• Leuven, KU Leuven, campus Kortrijk
• Nijmegen, UMCN – Radboud University (*University Medical Center Nijmegen*)
• Rotterdam, EUR (*Erasmus University Rotterdam*)

The Plan

• Open content (without logging in)
• Everything in one place, fast finding
• Training materials for students
• Tools for lecturers
Bottlenecks in anatomical education that the platform aims to reduce:

1. Insufficient / too expensive access to good anatomical illustrations.
2. Searching anatomical information of reliable quality too time consuming.
3. Insufficient anatomical exercise and repetition tools for students.
4. Lack of online anatomical educational tools for lecturers.
Goals

Improving Access, by
Making good anatomical content openly available.

Improving Efficiency, by:

Reuse of content.
Educational institutions need not each buy or develop educational content separately.

Improved finding of anatomical content.
Easier finding of quality reviewed online anatomical content.

Availability of educational tools for lecturers
Creating assignments and entry tests, assembling custom learning paths.
Spend less time in creation of these educational activities.
Set-up

1. Interface

2. Repositories
   a. Terms
   b. Definitions
   c. Images
   d. Texts
   e. Microscopy
   f. Test questions
   g. Cross sections
   h. 3D
   i. Video
   j. Structure outlines

3. Online Recommendations
   a. Texts/sources
   b. Images
   c. Video (lectures, demo’s)
   d. E-learning

4. Tools Student
   a. Self-quiz
   b. Image hotspots
   c. Game

4. Tools Lecturer
   d. Test-assignment
   e. Learning path
   f. Stud. creat. questns
   g. Stud. traces structs

5. Revenues
   Books, apps, high qual img

Diverse sites

Medical education.nl

Legend
Planned
Later

www.Anatomy.info/?term=xxx

Credits icons: Danilo Demarco - free; Picol Vector - CC BY SA; Gnome icons - GPL; Octicons - MIT
Look up

Thorax
Regional, organ

Systemic

Search structure

Exercise

Teacher

Femoral artery
The continuation of the external iliac artery, where it crosses the inguinal ligament, to its...
2. Repositories

- Terms, definitions
- Anatomical images, start Open Anatomical Atlas
- Virtual microscopy slides (200)
- Exercise/test questions (200)

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Open Anatomical Atlas

- High quality anatomical illustrations
- Free to use non-commercially, such as in education
- Incremental development per anatomical region

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Online Recommendations

- Crowd source competition “The anatomy of...”
- Student groups at universities in NL, BE, US?, ...
- For 50 diseases:
  - describe relevant structures
  - recommend online sources about these structures
- Game-aspect: peer review rate each other’s submissions
Anatomical exercise and repetition tools for students.

- Self-quiz
- Flash-cards
Online anatomical educational tools for lecturers

4. Tools Docent

- d. Test-assignment
- e. Learning path
- f. Student creates questions
- g. Student traces outlines structs

- Tests as replacement assignments or as entry tests
- Learning paths
Quality and durability

Also part of the project:
Good quality and sufficient revenues are vital for continuity of the platform after the grant expires. To secure these, the project also includes:

Quality control
- Set up of a system of peer-review to assure good quality of the accepted materials on the platform.

Financial model
- Development of a financial model to generate sufficient revenues. Methods to be investigated include:
  - ‘freemium’ = good basic product is free, special extra’s are paid for - premium
  - selling apps
Organisation

Steering committee

- Mrs. E (Leo) Koehler, PhD. chair
- O.P. (Paul) Gobée, MD., secretary, project manager
  Assistant professor, e-learning developer, dept. Anatomy & Embryology, LUMC
- Prof. Sven Hendrix, PhD.
  Head dept. Morphology, Director Doctoral School for Medicine & Life Sciences, University Hasselt. Chair Nederlandse Anatomen Vereniging (Dutch Association of Anatomists)
- A.E. (Andreas) Herrler, PhD.
  apl. Professor (UK Aachen), Assistant professor dept. Anatomy & Embryology, FHML, UM.
- Prof. M.C. (Marco) DeRuiter, PhD.
  Professor of Clinical and Experimental Anatomy, head section education Clinical Anatomy, dept. Anatomy & Embryology, LUMC, up to 2015 Chair Dutch Association of Anatomists

Contact

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