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EUFEPS Branch Office for
in-silico Systems and Learning

EUFEPS
EUROPEAN FEDERATION FOR PHARMACEUTICAL SCIENCES

Pharmaceutical eLearning: Status and Perspectives

Norbert Haider

Outline

- Goals of eLearning
- Current activities
- Examples
- Networking
- Outlook

Goals of eLearning

- improvement of quality
- improvement of sustainability
- facilitating life-long learning
- tighter linking of education and research
- meta-skills: digital literacy etc.
- less realistic: reduction of teaching costs

Current activities

EUFEPS session at the 3rd PSWC, Amsterdam, April 2007

Pharmaceutical Sciences in-silico Learning Systems: Value and Availability

Stephen Moss, University of Bath (UK)
Computer applications in pharmaceutical education and research

Alexander Vögtli, University of Basel (CH)
pharmasquare - Blended Learning in Pharmaceutical Sciences

Thierry Langer, University of Innsbruck (AT)
PharmXplorer, an integrated platform for e-learning in pharmaceutical sciences

presentations available at
http://merian.pch.univie.ac.at/eufeps/pswc2007/

Current activities

EUFEPS Branch Office for in-silico Systems and Learning:

European networking, coordination, *started operation on 2 July 2007*

http://vienna.eufeps.org

Current activities

operation/coordination of eLearning projects on

- ***local level:*** Faculty of Life Sciences, Univ. Vienna
  - large-scale deployment of blended learning in the pharmaceutical study-entrance phase
  - 6 pharmaceutical departments involved
  - funding: approx. 100.000,- € (2 years)
  - main investment: human resources ➔ eTutors
- ***national level:*** PharmXplorer
  - universities of Graz, Innsbruck, and Vienna
  - all pharmaceutical disciplines involved
  - funding: approx. 450.000,- € (3 years)
  - extension to post-graduate training

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Examples: PharmXplorer

- information database of marketed drugs (Austria)
- eLearning modules for different levels
- teaching repository for course materials
- post-graduate education
- training courses for community pharmacy professionals
- collaboration with the Chamber of Pharmacists' educational programme
- community area / discussion forum
- > 4000 registered users

Examples: PharmXplorer

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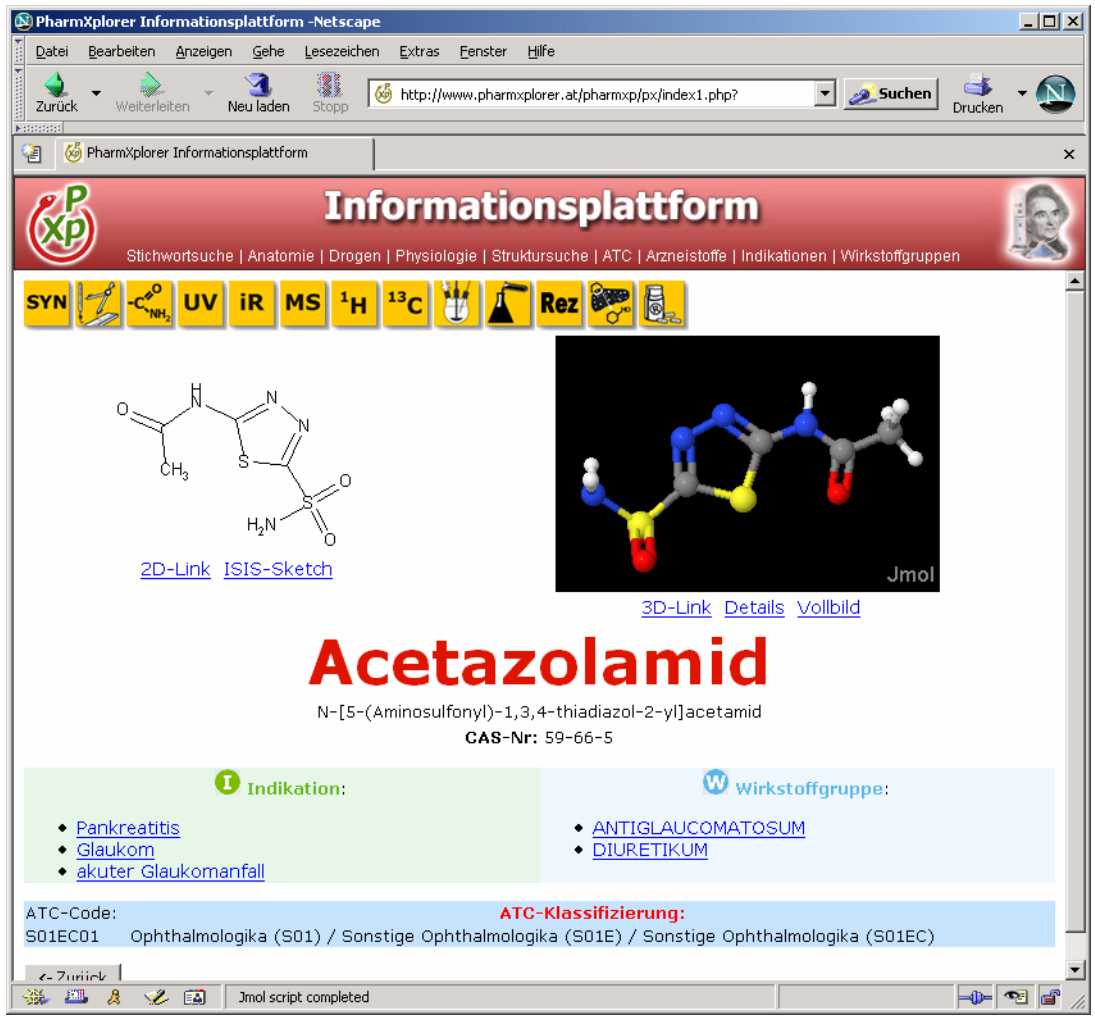

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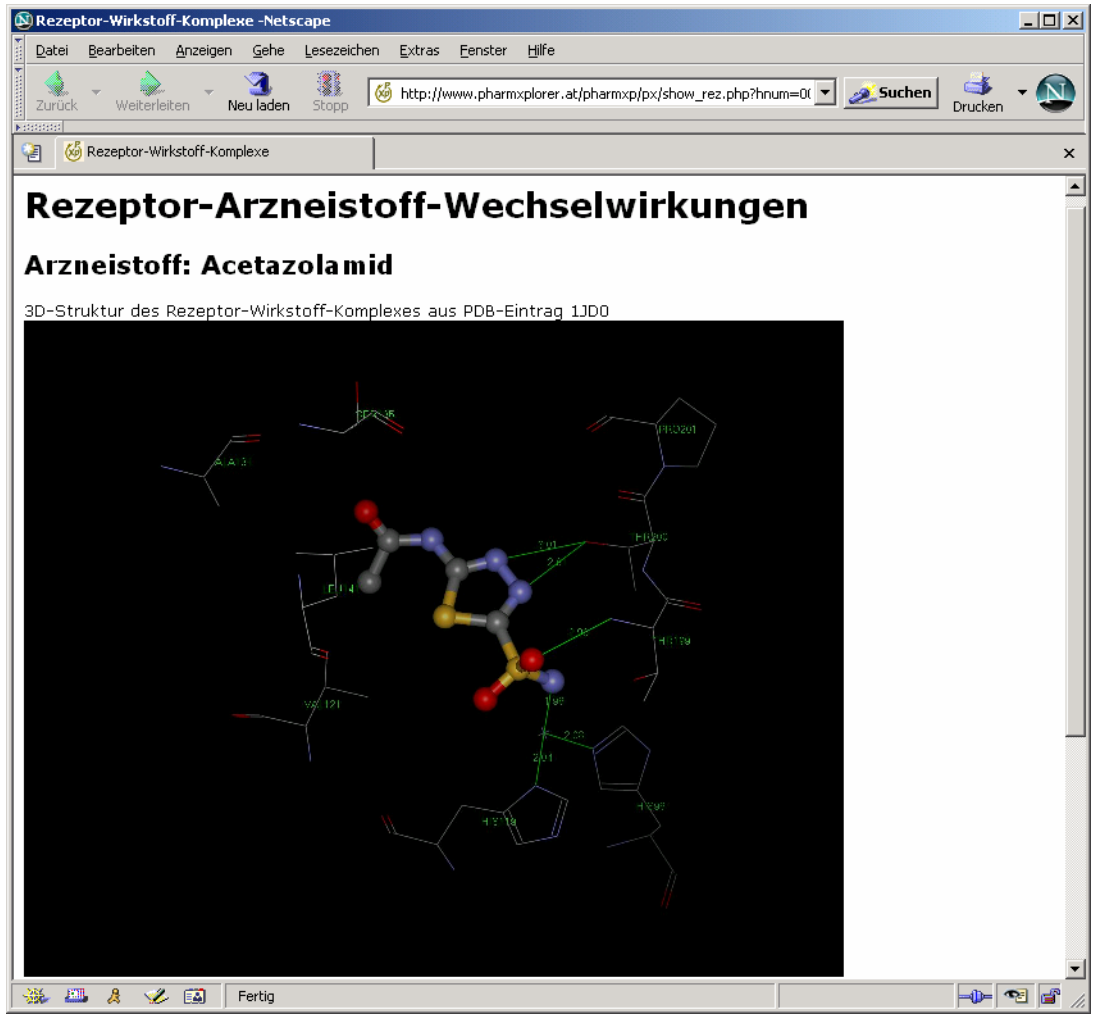

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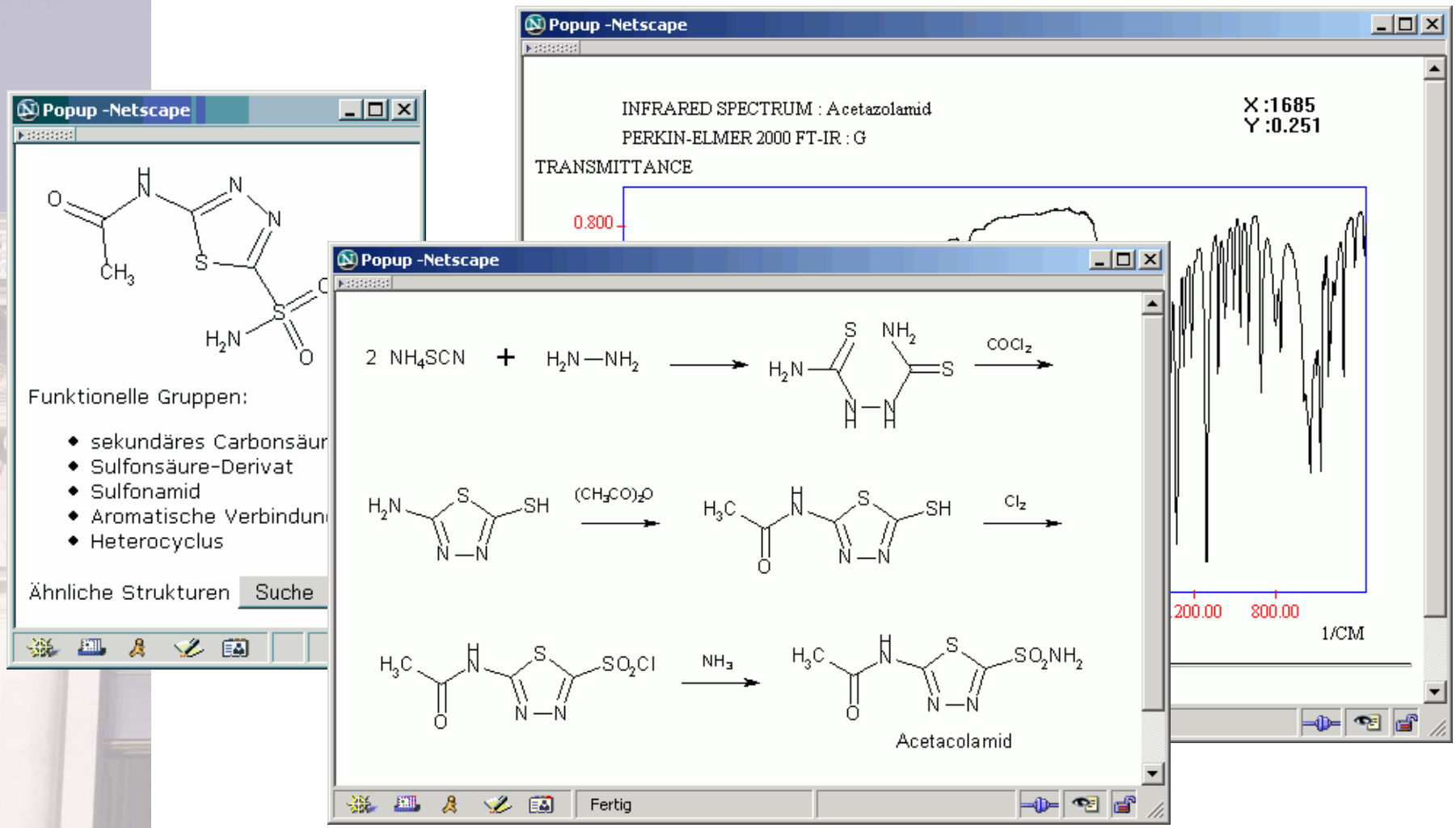

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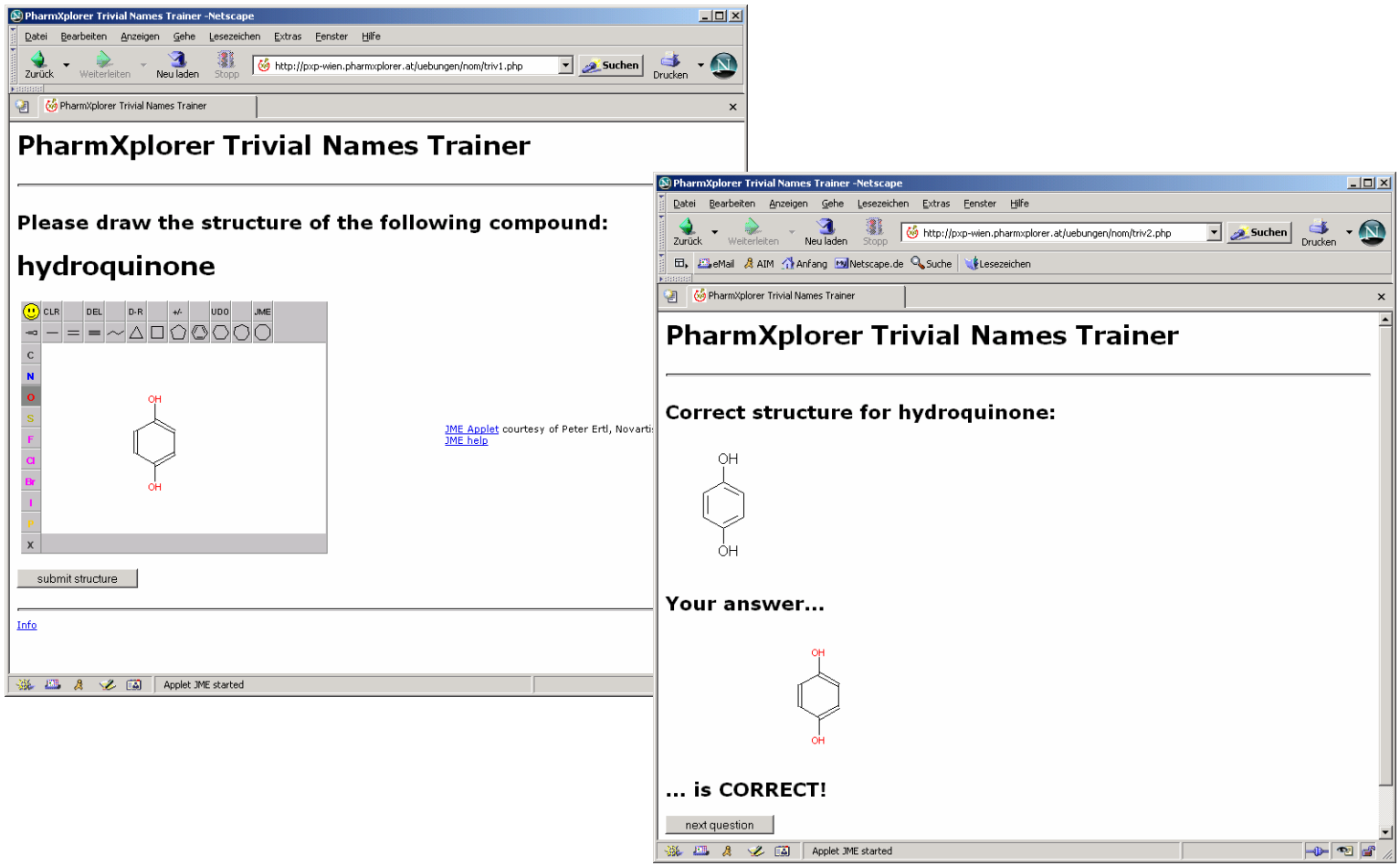

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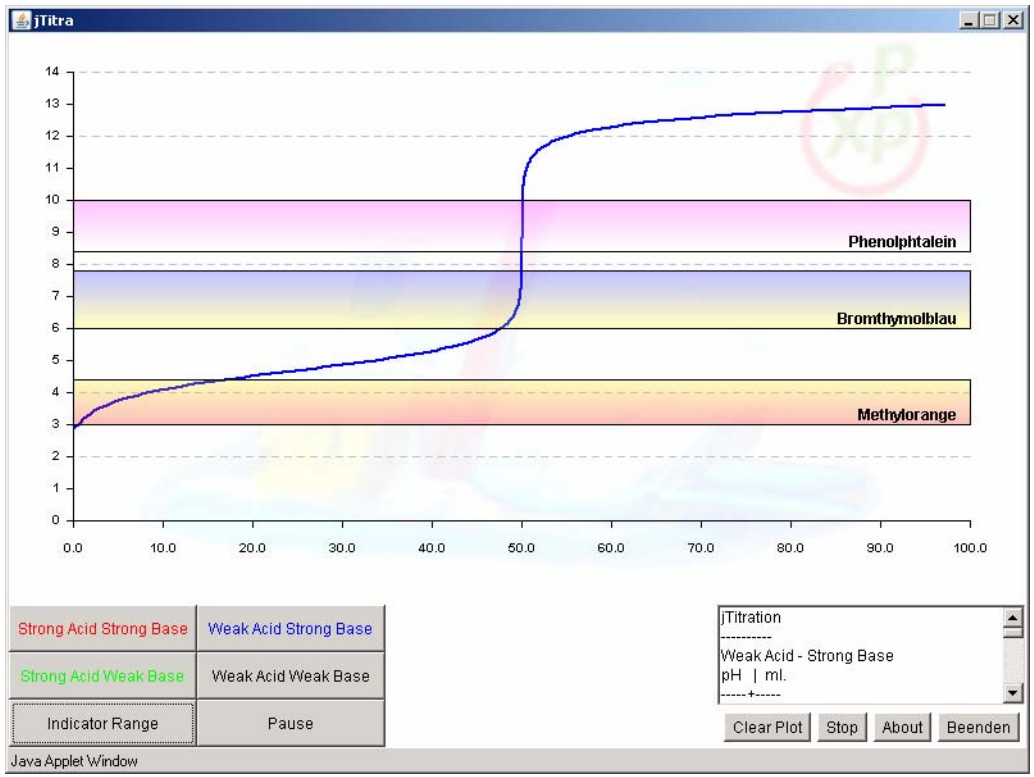

Examples: PharmXplorer

- PDF documents for lectures originating from the three major Austrian universities
- links to recent literature covering hot news from pharmaceutical development
- more than 400 animated graphics
- video clips of standard laboratory techniques
- interactive training elements
- regular updates
- serves as a portal throughout the curriculum and also after graduation

Networking

primary tasks of EUFEPS Vienna Branch Office:

- bring people together who are active in pharmaceutical eLearning
- establish communication facilities (mailing list, forum,...)
- organise workshops and meetings
- locate best-practice examples, increase visibility
- build a catalogue of resources
- assist to establish European collaborations in pharmaceutical eLearning

http://vienna.eufeps.org

Outlook

current and upcoming developments:

- application of Web 2.0 technologies
  - technical features: AJAX, ...
  - mesh-up techniques
  - video/audio streaming: tele-lecturing, -conferencing, podcasting
  - collaborative tools: Weblog, Wiki, ...
- on-line communities, social networks
- improvement of didactic concepts
- intensified co-operation

Outlook

eLearning will not remain restricted to undergraduate and graduate education and training, but it is developing into

Science Communication

- closer integration of research and education
- new facilities for efficient peer-to-peer communication of scientific content
- better science-to-public communication
- extension towards pre-university audience