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**Joint capacity building
in biomedical higher education
through adopting international academic standards and
transferring technology between
European and Vietnam universities (2016-2019)
Programme ERASMUS+**

Erasmus+



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ERASMUS+, Key Action 2, Capacity Building in the field of Higher Education, Call for proposals 2015

Subject area „Health“ (Category A priority in Asia, Category B priorities are also addressed: Learning and Teaching Tools, Multidisciplinary)

736 applications submitted

653 considered eligible

147 have been selected for funding (19,9%), incl „EDUSHARE“

The screenshot shows the top part of a website article. On the left is the logo for 'The BALTIC COURSE' with the tagline 'INTERNATIONAL MAGAZINE FOR DECISION MAKERS'. Below the logo are navigation links: 'Русский', 'Good for Business', 'Modern EU', and 'Analytics'. The main header area contains navigation tabs for 'BACHELOR PROGRAMMS', 'MASTER PROGRAMMS', and 'DOCTORAL PROGRAMMS'. The article title is 'Cooperation, Education and Science, Estonia, Medicine' and the sub-header is 'International Internet Magazine. Baltic States news &'. The main headline reads 'University of Tartu project for medical education in Vietnam gets EUR 0.96 mln'. Below the headline is the date 'BC, Tallinn, 08.08.2016.' and social media sharing options for Facebook (Share 1) and LinkedIn (Like). The first line of the article text is 'A program to develop medical education in Vietnam, written under the leadership of medical researchers from the University of Tartu, has received an European Commission grant of 958,804 euros, reports LETA/BNS.'

The banner features a blue background with a white headline: 'Project Grant: EU contribution to Vietnamese medical education led by Tartu University, ScanBalt a partner'. Below the headline is a large white text area with the same headline: 'Project Grant: EU contribution to Vietnamese medical education led by Tartu University, ScanBalt a partner'. To the right of this text is a 'Latest news' sidebar with a list of recent articles, including 'ScanBalt recognised as a Partner Organisation for EU Gateway | Business Avenues' and 'German-Danish Bonebank creates a unique value chain'. At the bottom of the main text area is a small photograph of three people in a laboratory setting, with a caption: 'On the picture: From the left Aare Märtson, Sulev Kõks and Dr Ho Duy Binh from Vietnam visiting the Tartu University Hospital Photo: Kristjan Teedema/Tartu Postimees'. Below the photo is a short paragraph: 'Under the leadership of the University of Tartu medical researchers, a 958,804 euro grant was received in tight competition from the European Commission to develop medical education in Vietnam in cooperation with ScanBalt and the University of Tartu.'

Previous cooperation

1) 2012-2013 „Improvement of Health Care Human Resource in Da Nang “(SIDA)

support health care professionals in Vietnam by contributing to the preparation of the teaching staff for the planned **upgrade** of the National Technical College of Medicine No 2 to a **University**. 129 specialists and experts were directly involved from European-side (4 pre-clinical and 12 clinical specialties).

2) 2012-2015 „EVMED“ (ERF, Estonian government)

improve competitiveness and cooperation between research and development institutions in 11 different fields in medicine but also researchers' opportunities for participation in international initiatives in Estonia and in Vietnam.

3) 2014-2015 „DIOXMED“ (ERF, Estonian government)

increase awareness of the **effects of dioxins** as the cause of increasing environmental pollution problems in people's everyday lives (developmental disorders, infertility and others), in veterinary research and the environment.



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Previous cooperation

DANANG TODAY

Home Politics Society Business Culture - Sports Education - Science Wor

Society

Da Nang 24

Over 1.7 million euros to improve health workers

DANANG TODAY
Published: April 27, 2012

The Da Nang-based Medical College, and Sweden's Scandinavian Care and Scanbalt Academy have signed an MoU to implement the 1.7 million euro *Improving Skills for Da Nang's Health Workers* project in 2012 and 2013.

As part of the program, the foreign partners will help improve the professional skills of lecturers at the College, which will be upgraded to a university. The training courses will include surgical skills, community health, cardiology and odontology.

- RECOMMEND
- TWITTER
- EMAIL
- PRINT
- SHARE



Signing the MoU to improve health care workers in Da Nang



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ScanBalt in the Press

Reports & Papers

Newsletter

Latest ScanBalt News

- ScanBalt News September 2013 is out now!
- Accelerace Life: Promoting new Health Tech Start-Ups in ScanBalt BioRegion
- Life Sciences Baltics 2014 forum (Vilnius) 10 - 12 September 2014: Reserve the date
- News archive

Collaboration between ScanBalt BioRegion and Vietnamese Medical Universities: Training Initiated

Vietnamese medical school managements from National Technical School of Medicine II (Da Dang) and Hue University of Pharmacy and Medicine (Hue) and professors from European universities held a joint seminar at Tartu on 25.02 - 27.02.2013.



The Faculty of Medicine of the University of Tartu welcomed 33 delegates and opened its doors to different departments of Biomedicum, Estonian Genome Center and Tartu University Hospital. During the seminar, possibilities for research and training activities at the University of Tartu were described. The idea of the seminar was to provide an overview of the current state and of key topics of the Scandinavian Care Foundation project "Improvement on Health Care Resource in Da Nang" financed by Swedish International Development Cooperation Agency.

Attendees listened presentations and participated in panel discussions involving a number of leading experts of the medical specialities. Subjects included the future of the project activities, an update on continuing traineeship management (training activities at the Sweden / SB Health Region partner universities have begun) and critical discussion about possible new funding sources. Together with the representatives of Jönköping University (Sweden), Gdansk Medical University (Poland) and Oslo University (Norway) the possibilities of joint cooperation in preclinical and clinical fields was discussed.

After the seminar, 39 trainees are coming from partner universities of Vietnam for up to 4 months training period. For academic training first candidates have been selected. Main fields from clinical specialities covered by the project partner from Estonia are anesthesiology, obstetrics and gynaecology, trauma-orthopaedics, radiology, stomatology and pediatrics. 9

MOST READ #

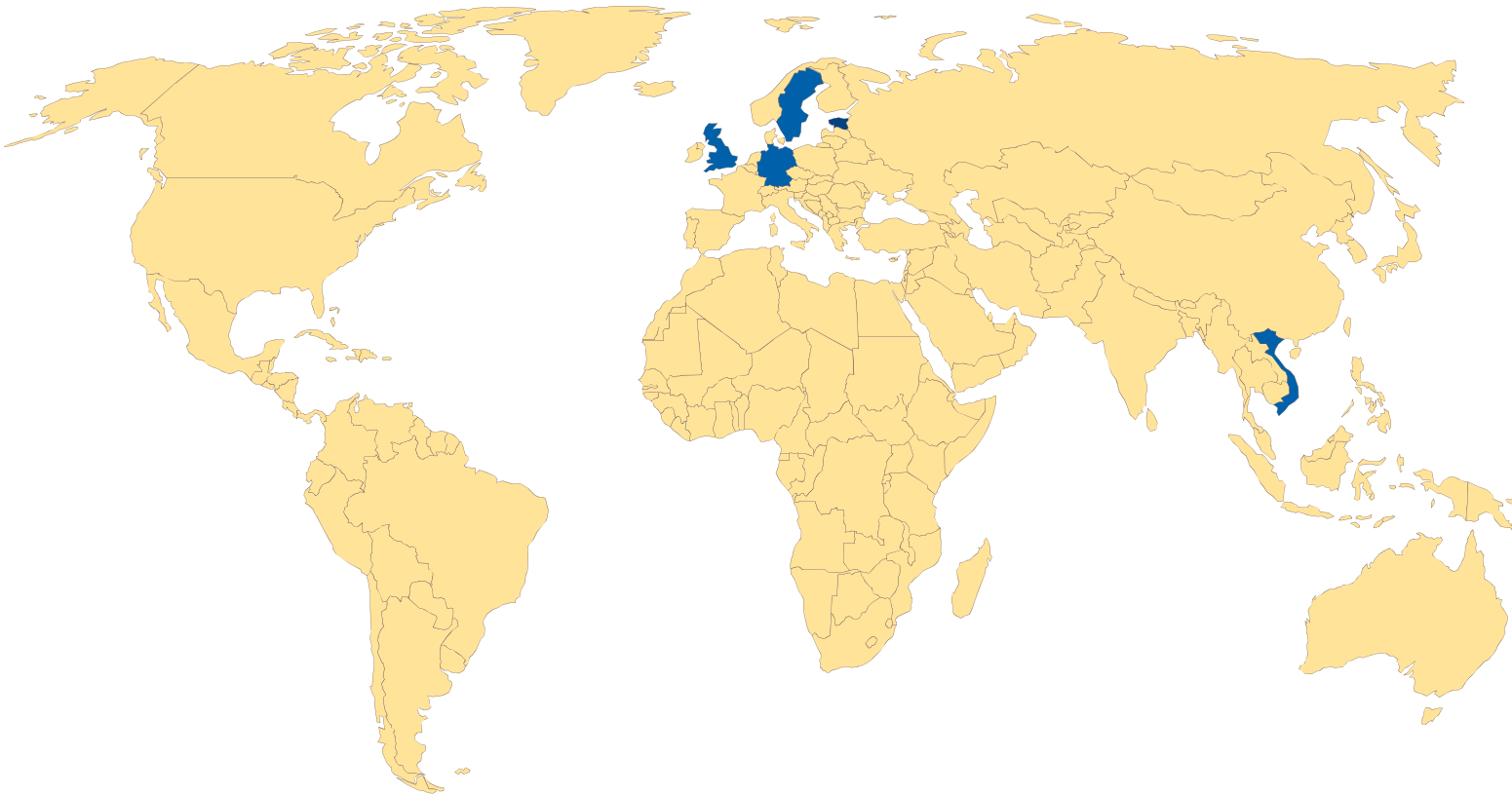
EDUSHARE partners



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EU:

- 1) University of Tartu (EE)
- 2) University of Greifswald (DE)
- 3) Karolinska Institutet (SE)
(nr 38 „World University Rankings“)
- 4) University of Essex (GB)

Vietnam:

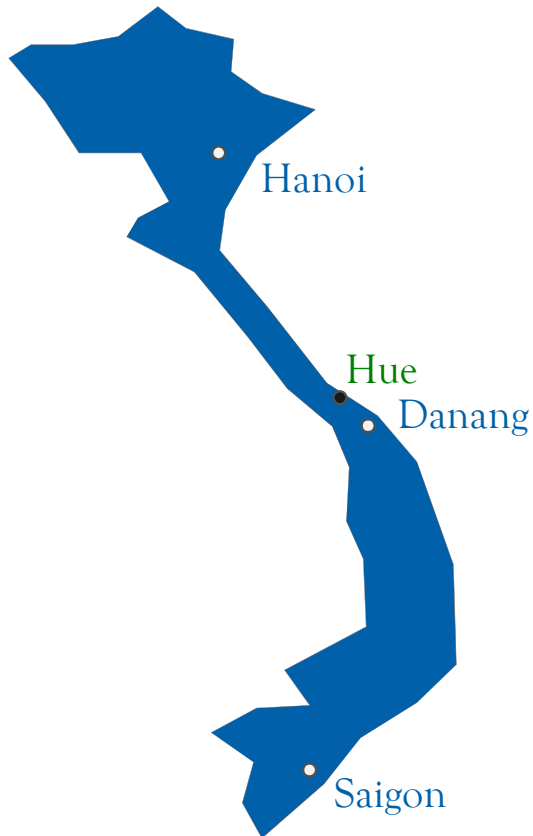
- 1) Hue University of Medicine and Pharmacy *(nr 1 in medical universities in Vietnam, nr 5 in Top Universities in Vietnam, nr 350 in Asia)*
- 2) Hanoi Medical University *(nr 2 in medical universities in Vietnam)*
- 3) Hanoi University of Pharmacy *(nr 3 in medical universities in Vietnam)*
- 4) Danang University of Medical Technology and Pharmacy

4 HEIs from EU = 4 HEIs from Vietnam

Why Vietnam?

Vietnamese medical education faces several challenges:

- There is no conducted research on the quality of teachers/lecturers;
- There is no compulsory training program for teachers;
- There is no comprehensive project on training of trainers, including international support project;
- Better teachers prefer working at bigger schools in Hanoi and HCM city (33% of all professors and associate professors);
- Some schools have no or just one or two professors;
- There is no regular budget for upgrading teaching and technical equipment.
- There are only 1.2 medical doctors per 1000 inhabitants, while the EU average is 3.3 (<http://data.worldbank.org>)
- The country has **eight physicians** per 10,000 people, but the majority is concentrated in urban areas where only 35% of the population lives. In the 62 poorest districts, the local healthcare network lacks 600 physicians, and more than 30% of communes are without a physician (<http://blogs.worldbank.org>).
- By 2020 at least 90% university lecturers and 70% college lecturers have postgraduate degree; 75% university lecturer and 20% college lecturer have PhD degree; 50% of secondary medicine school teachers have postgraduate degree.



Why Hue?

➔ “The Master Plan for Economic-Social Development of Key Economic Areas (Hue, Da Nang, Quang Nam, Quang Ngai and Binh Dinh) for the Central of Vietnam in 2020” (Prime Minister's decision 1874/QĐ-TTg, dated 13 Oct 2014), list of priority programs and projects invested by 2020:

- a. Development and capacity building for training at Medical, Pharmaceutical Universities and Research Institutes in the Region. *Upgrading Hue University of Medicine and Pharmacy to become the key University in the Region;*
- b. *Develop Da Nang and Hue to become specialized medical centers of the Central Region;*
- c. Promote qualified human resource (developing resources associated with application of science and advanced technology and the medical network to meet the market demand)

➔ “Vietnam Development Strategies of Science and Technology 2011-2020” (Prime Minister's decision 418/QĐ-TTg, dated 11 Apr 2012), priorities in development strategies of science and technology:

- a. Improve national biotechnology to high level via research and development of key areas: gene technology, cell technology, micro-biotechnology, enzyme-protein technology, bio-informatic technology;
- b. Contribute to the development of bio-industry to become a high-tech economic sector and economy growth.

EDUSHARE (2016-2019)



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= Joint capacity building in biomedical higher education through adopting international academic standards and transferring technology between European and Vietnam universities

- ➔ The project works with the PhD students who will be future teachers in HEI by improving their competences.
- ➔ No other similar PhD programs are available in Vietnam. Program is based on international partners, is mixture from different European academic institutions and involves new specialty for Vietnam.
- ➔ Program involves specific training for entrepreneurial skills what involves management, governance and innovation modules.





Expertise and competences within the consortium are related to the project activities accordingly:

- 1) **Jointly delivered interdisciplinary PhD** - UT has the competency of accomplishing the PhD programme that is already been realized in Estonia (according to the principles of Bologna directives); Hue has the decisive-making power and the competency to run the activities in Vietnam.
- 2) **Jointly delivered intensive training courses** (UT, Greifswald, Essex and Karolinska Universities are skilled at innovative teaching tools and new methodologies etc).
- 3) **Initiatives of research projects** (UT, Greifswald, Essex and Karolinska Universities are experienced at international research cooperation and own network of valuable contacts).
- 4) **Entrepreneurship support** comes from UMG, ScanBalt and Global HR Partner who are on daily bases working in private sector and meeting the needs of entrepreneurs.



European Added Value



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Project activities will lead European partners to:

- **broadening portfolio** of interdisciplinary and innovative training programs, opening courses for global training market;
- **strengthening Europe as an important research area** in different fields of Medicine, but also offers subsequent prestige, opportunities and recognition;
- **improving global network** of professional academic contacts to implement Genomic Medicine for personalized approach, perform clinical trials and improve practical training skills in Vietnamese and Vietnam hospitals;
- **improving entrepreneurial opportunities** in healthcare technology, introducing our knowhow and services to the rapidly growing ASEAN (The Association of Southeast Asian Nations) markets;

Eligible costs

total costs (staff costs (40%), travel costs/costs of stay) + subcontracting costs (10%), equipment costs (30%)

Long term perspectives

- At least 50 faculty members receive training
- 1 PhD program in Molecular Medicine implemented
- 20 PhD students enrolled
- Multiple partnerships are formed
- At least 2 collaborative research proposals
- Roadmaps implemented, upgrades made
- 10% of enrollees are from abroad

Additional options

Erasmus+ KA1 „Learning Mobility of Individuals“ – 2 Feb 2018/2019/2020

Erasmus+ KA2 „Capacity Building in the Field of Higher Education“ – 9/10 Feb 2018/2019/2020

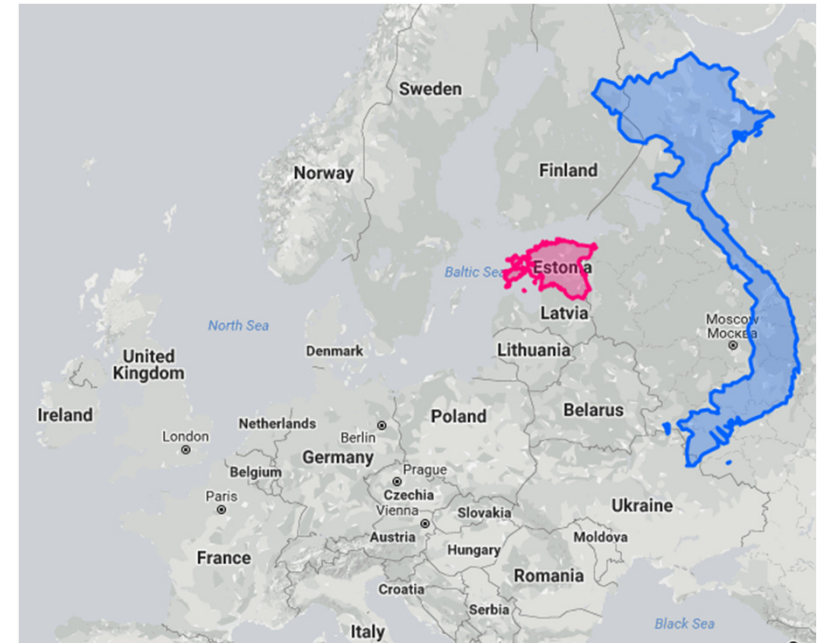
Erasmus+ KA2 „Knowledge Alliances“ – 28 Feb 2018/2019/2020



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Thank you!

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