



From science to practice

THE EUROPEAN WAY



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Programme



**EURO
STUDIES**



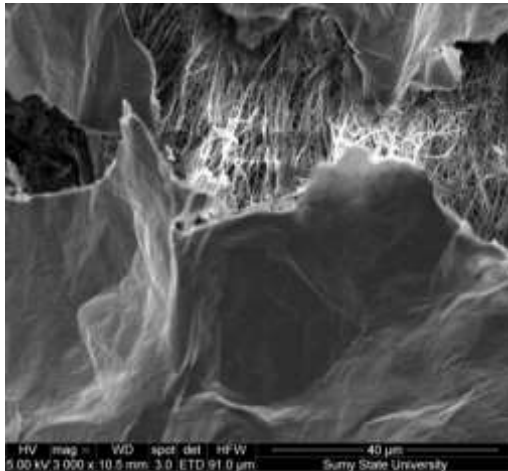
**EURO
STUDIES**

Jean Monnet Support to Associations EUforUA

Biomedical Research Center

Medical Institute of Sumy State University

- Cell culture laboratory
- Microbiological laboratory
- ELISA laboratory
- Chemical and toxicological laboratory





BRC
BIOMEDICAL RESEARCH CENTRE

MRC

VERBA
& HEALTH

 **CSD**
МЕДИЧНА ЛАБОРАТОРІЯ

 Erasmus+

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Oulanka National Park





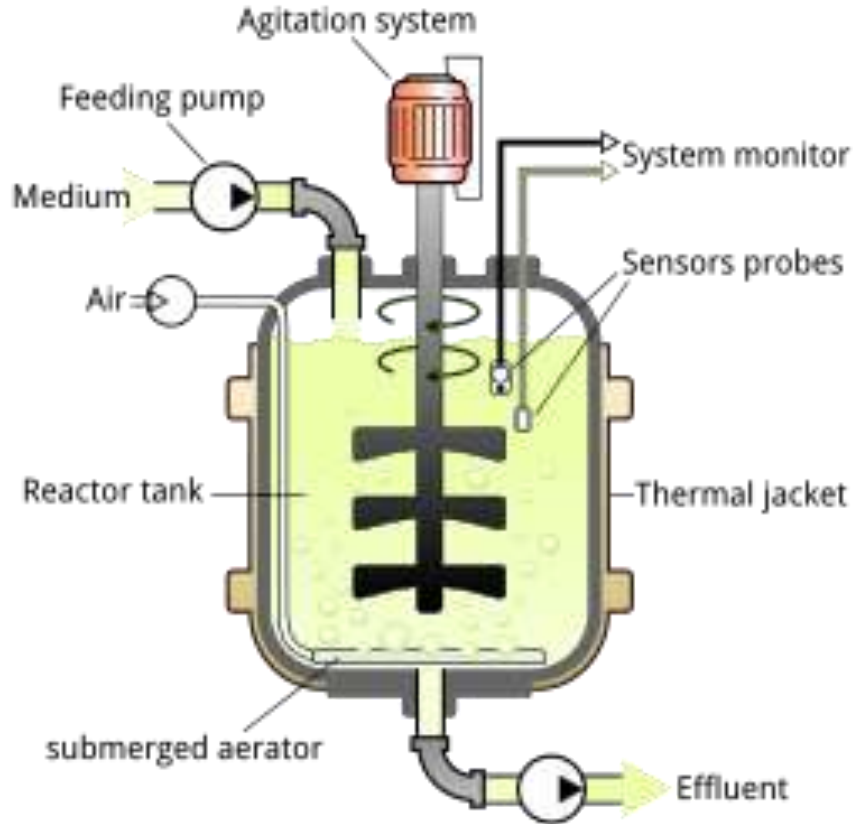
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Shake flask bacterial culture



Fed-batch fermentation





EnBase® Flo Shake Flask Set 2 x 500 mL

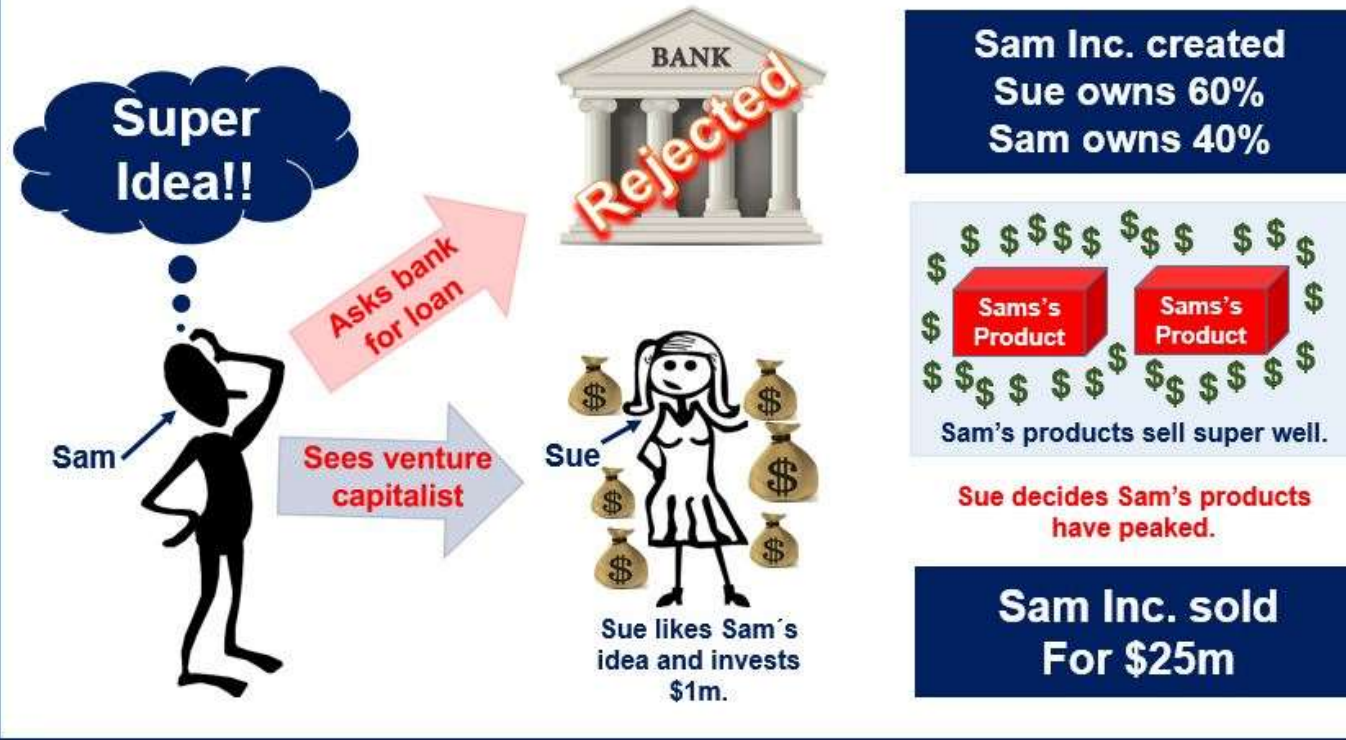
User Manual EBLM500 – Rev.2.31

For research use only. Not for human or diagnostic use.

Optimize microbial growth



What is venture capital?





BioSilta



Oy

Company



Headquarters location: Oulu, Finland

Founded: 2007

Parent organization: BioSilta Ltd.

Disclaimer



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1/20



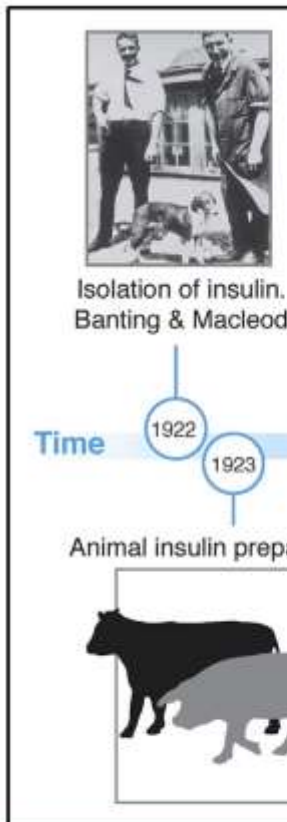




Figure 1 Miles


© 4 The Nobel Foundation. Photo: Lasse Enggren



THE NOBEL PRIZE IN PHYSIOLOGY OR MEDICINE 1923




Frederick G. Banting
(1891-1941)
Prize share: 1/2

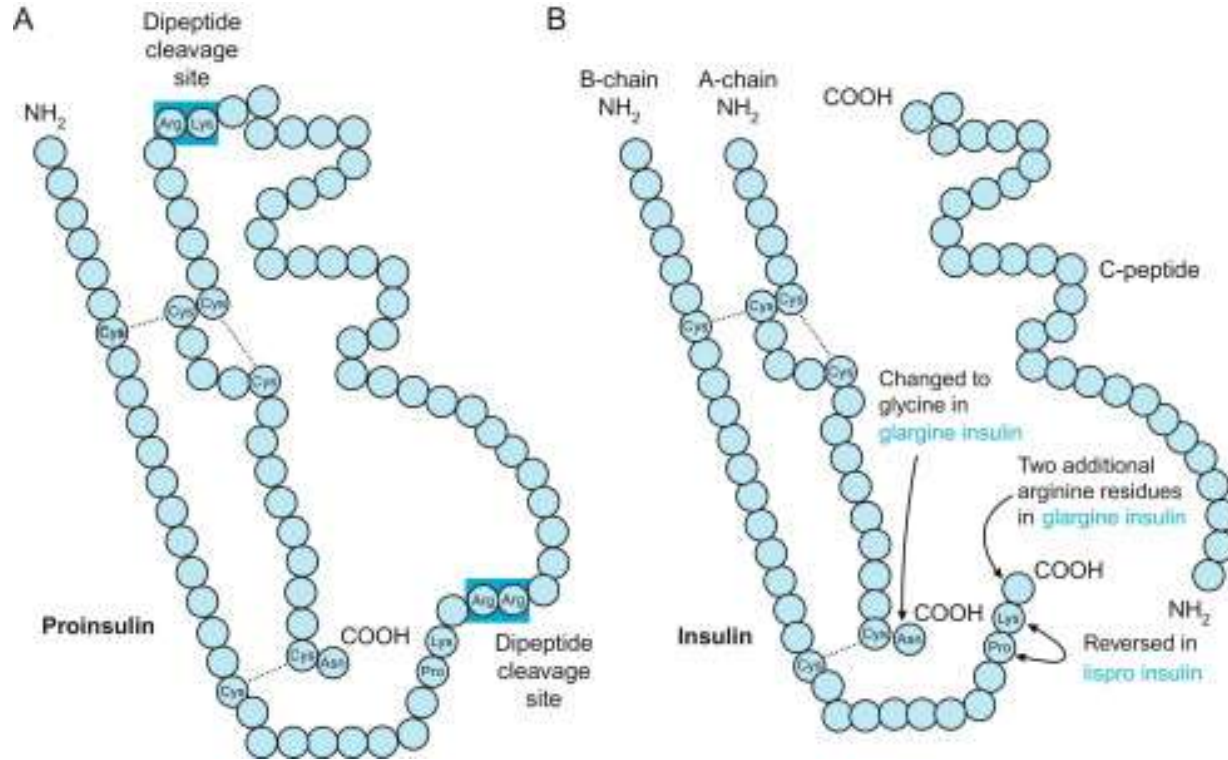


John Macleod
(1876-1935)
Prize share: 1/2

"for the discovery of insulin".

 **Nobelprize.org**
The Official Web Site of the Nobel Prize





Виробництво інсуліну в Україні

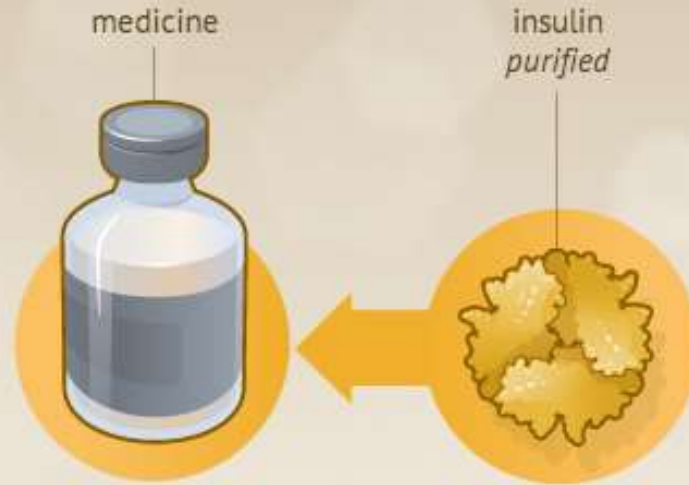


indar.com.ua



How do they do it?

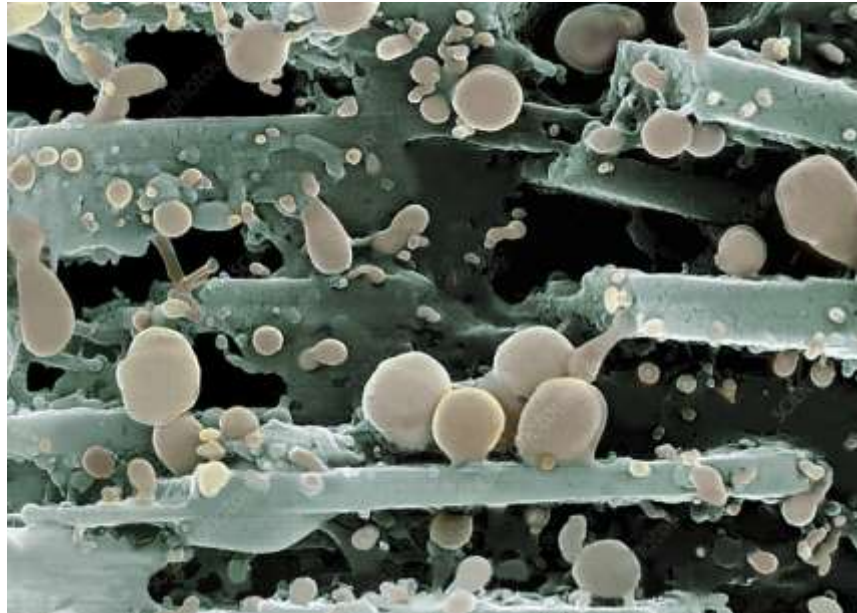
HOW DID THEY MAKE INSULIN FROM RECOMBINANT DNA?





Nanobac Oy

Detection and treatment of
Calcifying Nanoparticles (CNPs),
otherwise known as nanobacteria.





Nanobac Oy



Company

Headquarters location: [Kuopio, Finland](#)

Founded: 1998

Parent organization: [Nanobac Pharmaceuticals, Inc.](#)

Disclaimer

... soft tissue calcification, particularly in coronary artery heart disease, prostatitis and vascular disease.



Ark Therapeutics Oy



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https://nordicpropertynews.com/uploads/article_images/3259/2109_0_top_thumb.jpg

Gene Therapy for Malignant Glioma: Current Clinical Status

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Available online 10 August 2005

Glioblastoma is an aggressive brain tumor with a dismal prognosis. Gene therapy may offer a new option for the treatment of these patients. Several gene therapy approaches have shown anti-tumor efficiency in experimental studies, and the first clinical trials for the treatment of malignant glioma were conducted in the 1990s. HSV-tk gene therapy has been the pioneering and most commonly used approach, but oncolytic conditionally replicating adenoviruses and herpes simplex virus mutant vectors, p53, interleukins, interferons, and antisense oligonucleotides have also been used. During the past few years, adenoviruses have become the most popular gene transfer vectors, and some recent randomized, controlled trials have shown significant anti-tumor efficacy in clinical use. However, efficient gene delivery into the brain still presents a major problem, and there is a lack of definitive phase III trials, which would avoid potential problems associated with a small number of patients, inadvertent patient selection, and overinterpretation of results based on a few long-time survivors. For clinical efficacy, median survival is one of the most rigorous endpoints. It is used here to evaluate the usefulness of various treatment approaches and current clinical status of gene therapy for malignant glioma.

FIT Biotech Oy



FIT Biotech Oy is a clinical-stage biotechnology company. ... The group generates revenue through the sales of services related to the HIV vaccine.

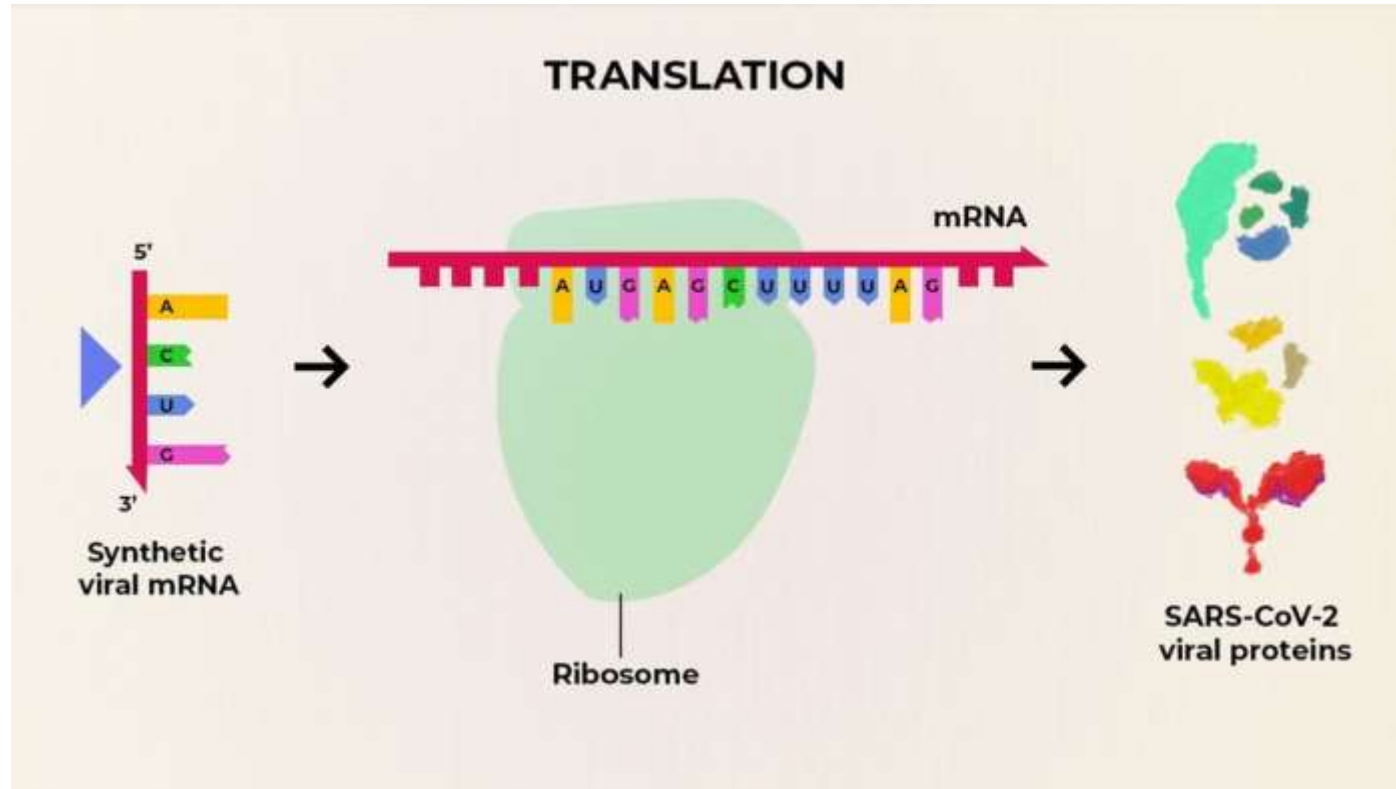


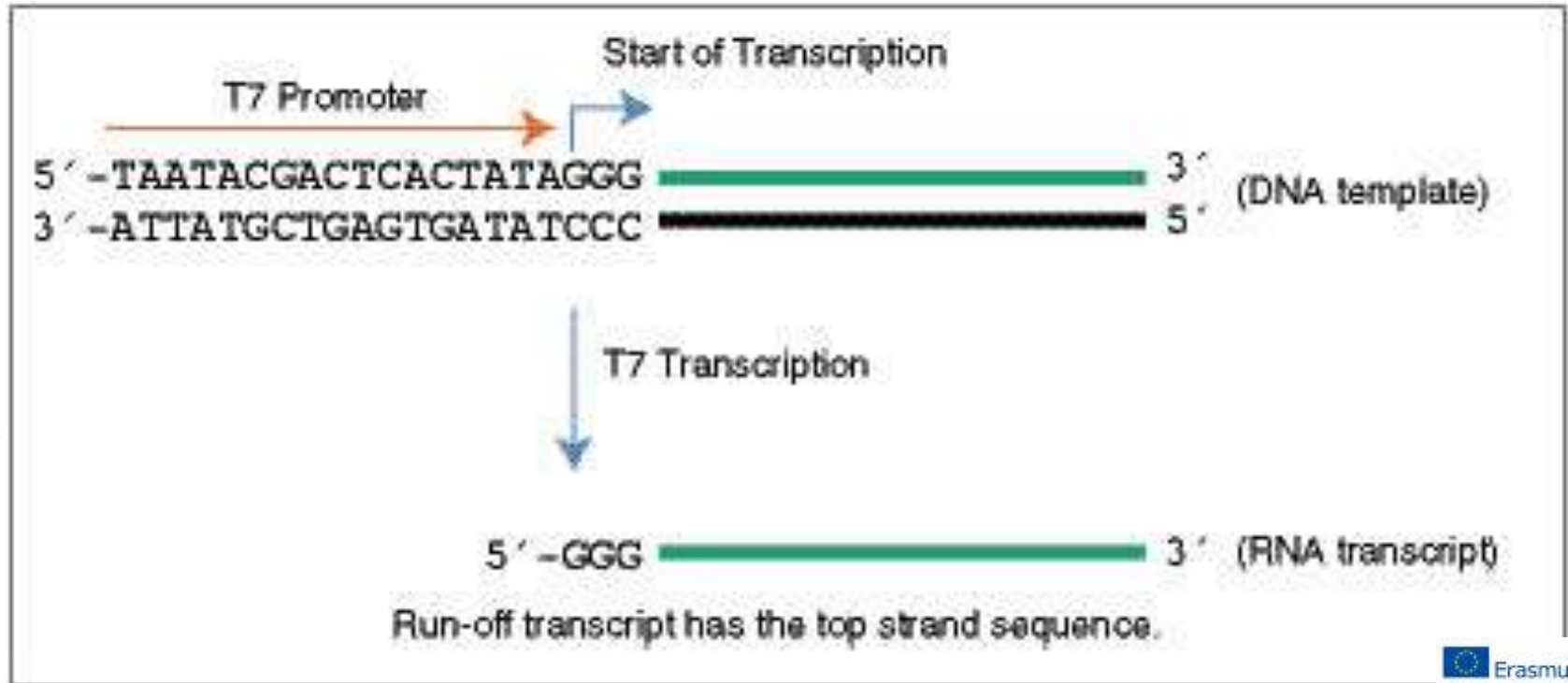
- HIV vaccine???
- DNA vaccine???

Tampere-based FIT Biotech plans to begin testing in 2014.













CEREBRICON

Advancing knowledge in CNS biology



Cerebricon Ltd. is a provider of high quality and cost effective pre-clinical contract research utilising models of CNS diseases such as stroke, Parkinson's disease, Alzheimer's disease, multiple sclerosis, migraine, traumatic brain injury, spinal cord injury, Huntington's disease and ALS.



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https://saastamoinenfoundation.fi/wp-content/uploads/2016/08/Koistinaho-Jari-5759_500px_portrait.jpg

https://neurocenterfinland.fi/wp-content/uploads/2019/11/CRL_lab-scaled.jpg



Experimentica Ltd



Scientific Excellence in Ocular ModelsSM



EXPERIMENTICA

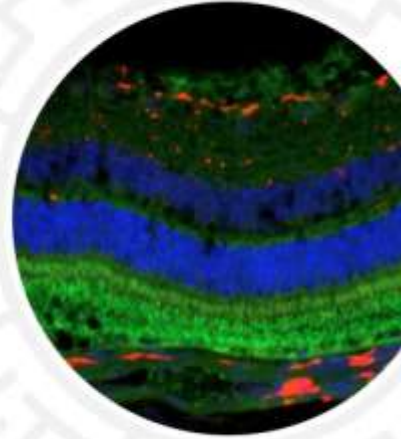
Scientific publication

Compatibility of Intravitreally Applied Epidermal Growth Factor and Amphiregulin

International Ophthalmology

Co-authors:

Mukharrom M. Bikbov, Timur A. Khalimov, Marc
Cerrada-Gimenez, Symantas Ragauskas, Giedrius
Kalesnykas, Jost B. Jonas



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https://experimentica.com/wp-content/uploads/2020/09/imgAvatar_GiedriusKalesnykas.jpg

https://scontent.fymy1-1.fna.fbcdn.net/v/t1.6435-9/s720x720/164880515_2865609846985628_7630330160003456847_n.jpg?_nc_cat=109&ccb=1-3&_nc_sid=da1649&_nc_ohc=7rrxBZkivaAAX9VjPuk&_nc_ht=scontent.fymy1-1.fna&tp=7&oh=71637a6df5ce0f7020aa49e373a5167c&oe=608E83F7





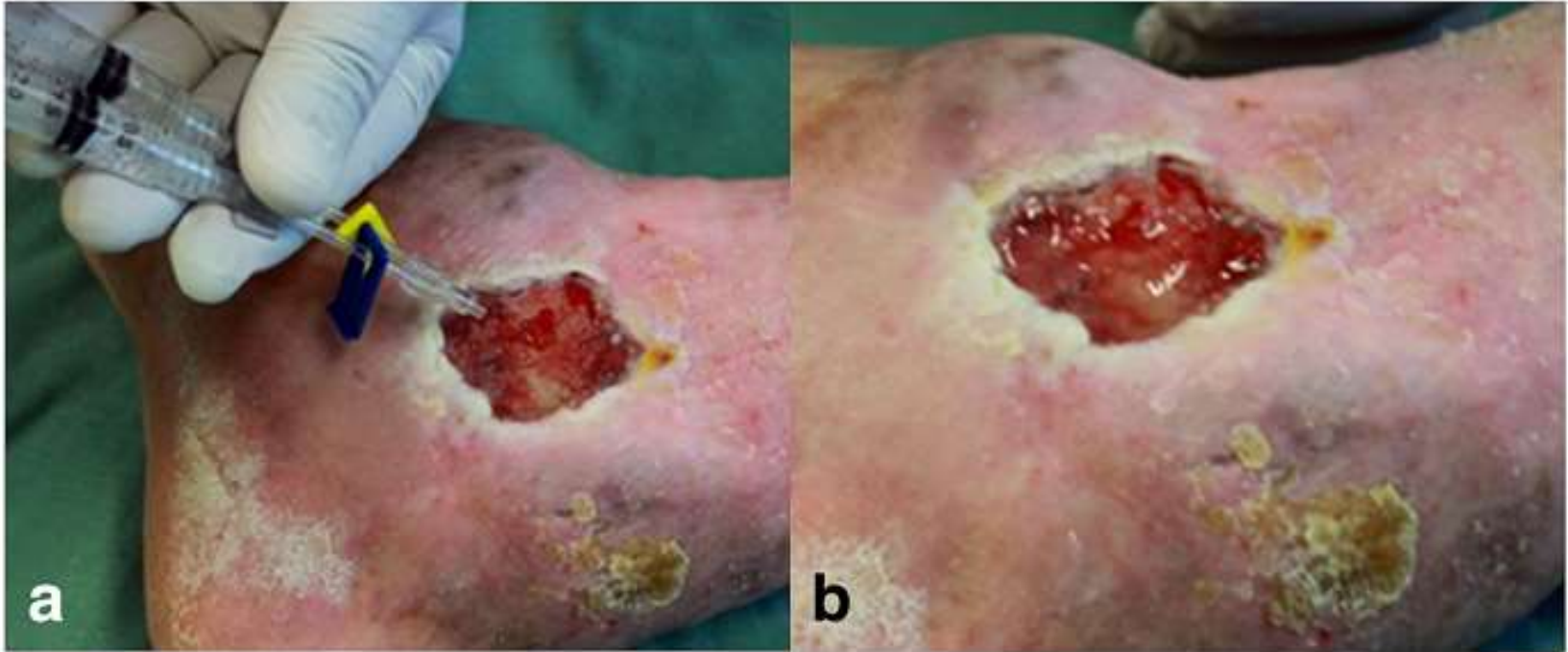


Fibrin sealant



Ferreira, R. S., Jr., et al. (2017). "Heterologous fibrin sealant derived from snake venom: from bench to bedside - an overview." J Venom Anim Toxins Incl Trop Dis **23: 21.**



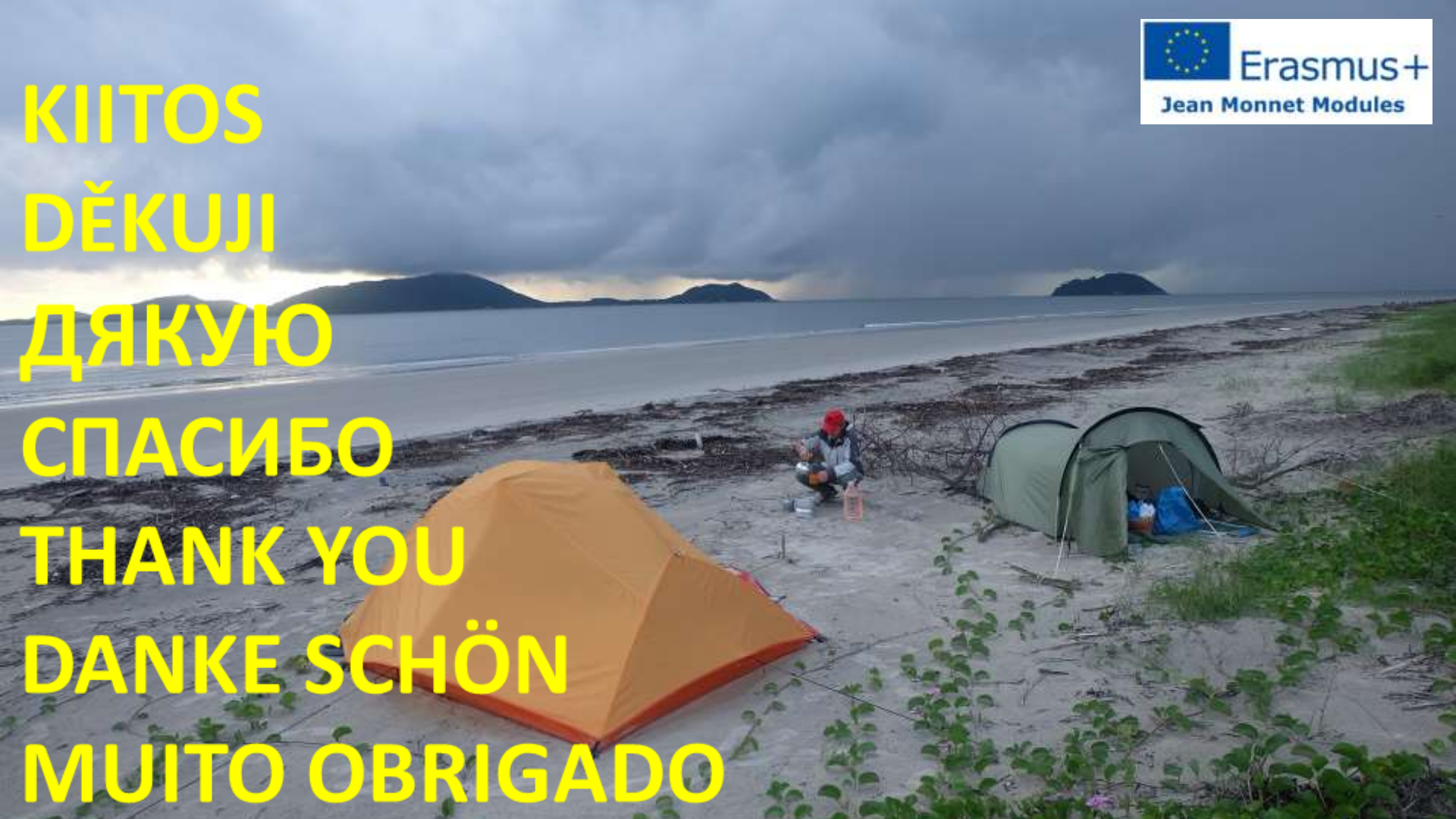


Ferreira, R. S., Jr., et al. (2017). "Heterologous fibrin sealant derived from snake venom: from bench to bedside - an overview." J Venom Anim Toxins Incl Trop Dis **23: 21.**



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KIITOS
DĚKUJI
ДЯКУЮ
СПАСИБО
THANK YOU
DANKE SCHÖN
MUITO OBRIGADO





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**Wish you
very successful ways
from science to practice!**



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