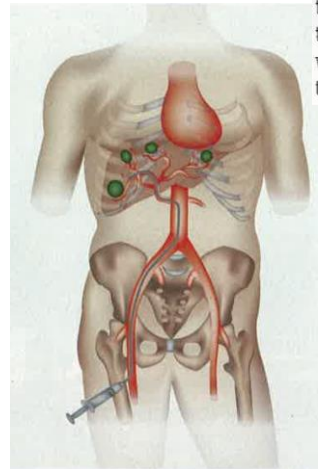


While flying last year to a scientific workshop in Manchester



Hirslanden Klinik St. Anna in Lucerne, Switzerland, provides a new high-dose radiotherapy treatment for liver tumours which works by injecting tiny beads straight into the tumours.

Perched high above Lucerne with a glorious view of the city, the lake and the snow-topped Mount Pilatus is Klinik St. Anna, which has been a member of the Hirslanden Private Hospital Group for ten years. A state-of-the-art clinic with 200 beds and 6 operating theatres, St. Anna focuses on specific fields of medicine in which it has extensive expertise. Its specialist centres include the Institute for Radiology and Nuclear Medicine. It is the only private centre of excellence in Switzerland which is authorised to provide selective internal radiotherapy treatment (SIRT). It is a new, minimally invasive



Das SIRT-Team der Klinik St. Anna: Prof. Dr. med. Augustinus L. Jacob, Dr. med. Udo Schirp und PD Dr. med. Sebastian Kos (v.l.n.r.). The SIRT team at Klinik St. Anna: Prof. Dr med. Augustinus L. Jacob, Dr med. Udo Schirp and PD Dr med. Sebastian Kos (l. to r.).

INFO

HIRSLANDEN 
KLINIK ST. ANNA

Hirslanden Klinik St. Anna
St. Anna-Strasse 32
CH-6006 Luzern
T +41 (0)41 208 32 32
Klinik-stanna@hirslanden.ch

The Hirslanden Private Hospital Group's highly specialised medical services in all fields are also available to international patients (those with international insurances or who are self-pay patients). For information, support and direct referrals to our specialists, international patients can contact Hirslanden International:

Hirslanden International
Seefeldstrasse 214
CH-8008 Zürich
Tel. +41 (0)44 388 75 75
Fax +41 (0)44 388 75 80
international@hirslanden.ch
hirslanden.com

Iräsa Oberer/Photos: Erwin Wriedenüller

I was on my way to speak about CERN-MEDICIS...

Compact Accelerators for Isotope Production

26-27 March 2015
Cockcroft Institute
GB timezone

Overview

Scientific Programme

This meeting will bring together industry, clinicians and academia to explore how accelerator technologies can be applied to future medical isotope production needs, including:

It all started around a cup of coffee a restaurant 1 with Stefano Marzari in 2010
Stefano (IT/CH),
engineer in charge of MEDICIS at CERN

Matthias (AT)
(now head of
Linac operation team
at MEDAUSTRON)



Mike (UK) and Bernard (FR),
They build very sophisticated
target/ion sources for CERN-
Isolde
to produce radioisotope
beams



CERN-MEDICIS (MEDical Isotopes Collected from ISolde)



혁신입자 예측으로 노벨 물리학상 수상자가 결정되는 순간 CERN은 축제문위기에 빠졌다. 그러나 CERN은 제2의 연구소로 재탄생하고 있다. 9월 4일 CERN의 중요 관계자들은 선 메디시스(CERN MEDICIS) 설립을 위한 기공식에 참여해 첫 삽을 떴다.



▲ 지난 9월 4일 CERN 주요 관계자들이 의료용 방사성동위원소를 생산할 CERN MEDICIS 설립을 위한 기공식에서 첫 삽을 뜨고 있다. 가문데가 클프 호이어 CERN 사무총장 ©CERN



Building reception 15th October 2014

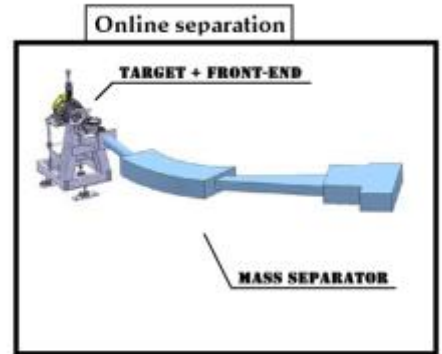
Gustave Doré, le grand illustrateur

Il voulait surtout être peintre, être admiré pour sa peinture. Mais c'est pour ses dessins qu'il est connu et reconnu. Il est connu comme un grand illustrateur du 19e siècle. A Paris, sous le titre Gustave Doré (1832-1883), l'imagination au pouvoir, le génie d'Osny consacrait une rétrospective à l'un des dessinateurs les plus célèbres de son temps, à un homme autodidacte et à l'antenne de son époque.

Didier Burkhalter se révèle un président de crise

Après-9 février Le chef des Affaires étrangères avait anticipé l'échec

Ce dimanche 9 février, en début d'après-midi, dans la limousine noire de fonction qui servait de Nouchet à la Fédération, Didier Burkhalter, président de la Confédération, avait déjà anticipé. Il devait guaire de doute: l'initiative «Contre l'immigration de masses allait être adoptée. Il s'y était préparé avec résolution, depuis plusieurs jours. Avant de rencontrer ses plus proches collaborateurs autour de la table de verre de son bureau, il avait déjà ce qu'il allait dire devant les caméras: éviter le mot «crise» et s'incliner devant le vote du peuple. Et tout ce qu'il avait envisagé l'avait décidé de ne pas laisser le vide prendre le pouvoir, ni les émotions dominer. Depuis ce dimanche, Didier Burkhalter affiche une maîtrise et une méthode que saluent les présidents de parti comme



Finishing installation and starting operation in 2016 or 2017

« MEDICIS-Produced radioisotope beams for medicine »

An ETN Marie-curie network for which CERN acts as a coordinator in H2020



L. Buehler



J. Prior



O. Ratib



D. Hanahan

- Marie Curie Networks programs are now part of the "Excellent Science" Pillar of H2020 framework program of the EC.
- ...(ITN) aim to train a new generation of creative, entrepreneurial and innovative early-stage researchers, able to face current and future challenges and to convert knowledge and ideas into products and services for economic and social benefit.
- ITN will raise excellence and structure research and doctoral training, extending the traditional academic research training setting,...

MEDICIS-PROMED Team – kick-off meeting Apr 2015



Thierry Stora - CERN
Scientist in charge
Thierry.stora@cern.ch



John Prior - Lausanne Hospital
Medical coordination
John.prior@chuv.ch



Cristina Ferrari - CERN
Administrative support
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Jean Francois Chatal – Nantes university
Chairman of the ethical review board
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Seamus Hegarty
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EU& HR matters
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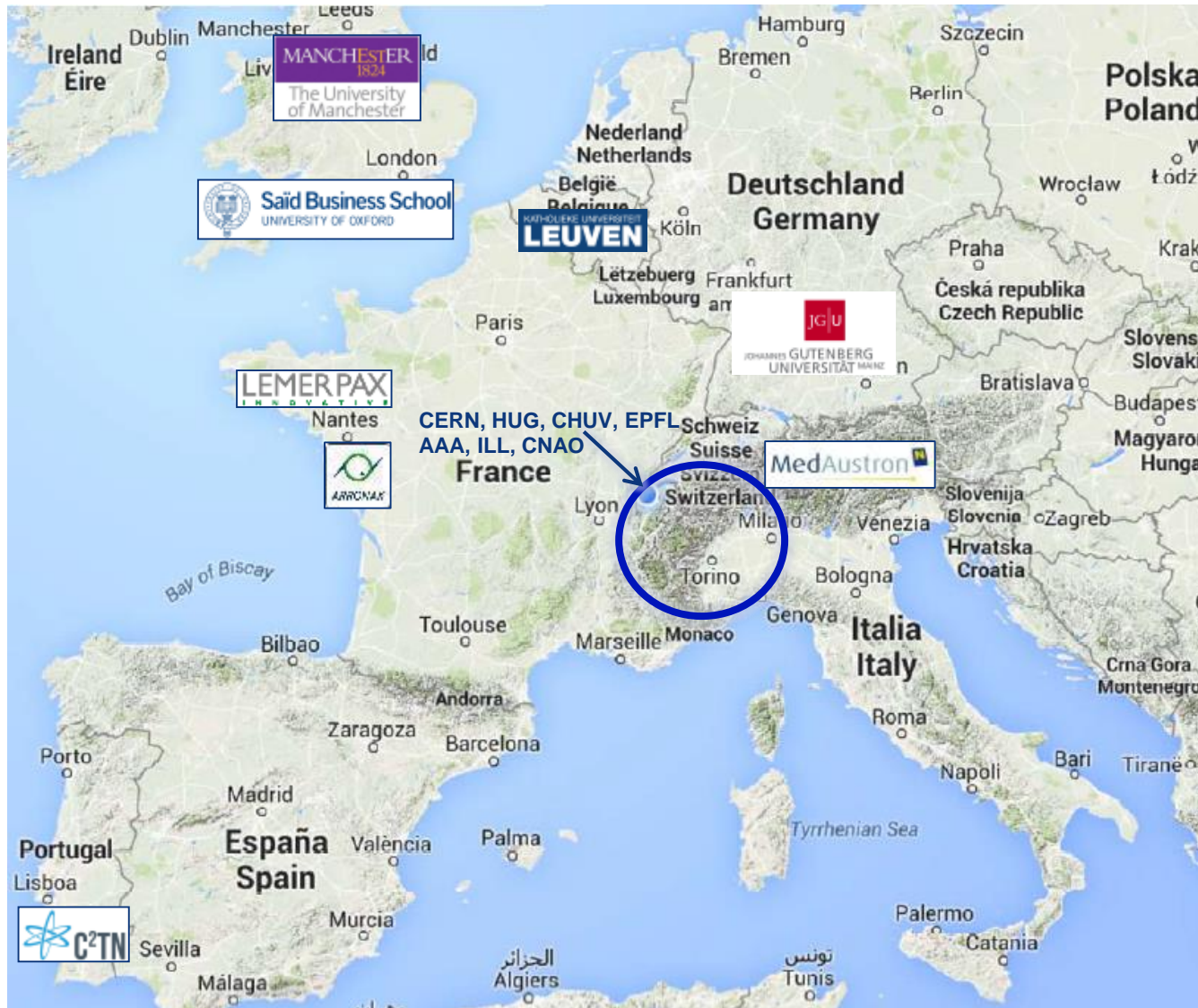
Finance : florence.pesce@cern.ch

The overall R&D objectives

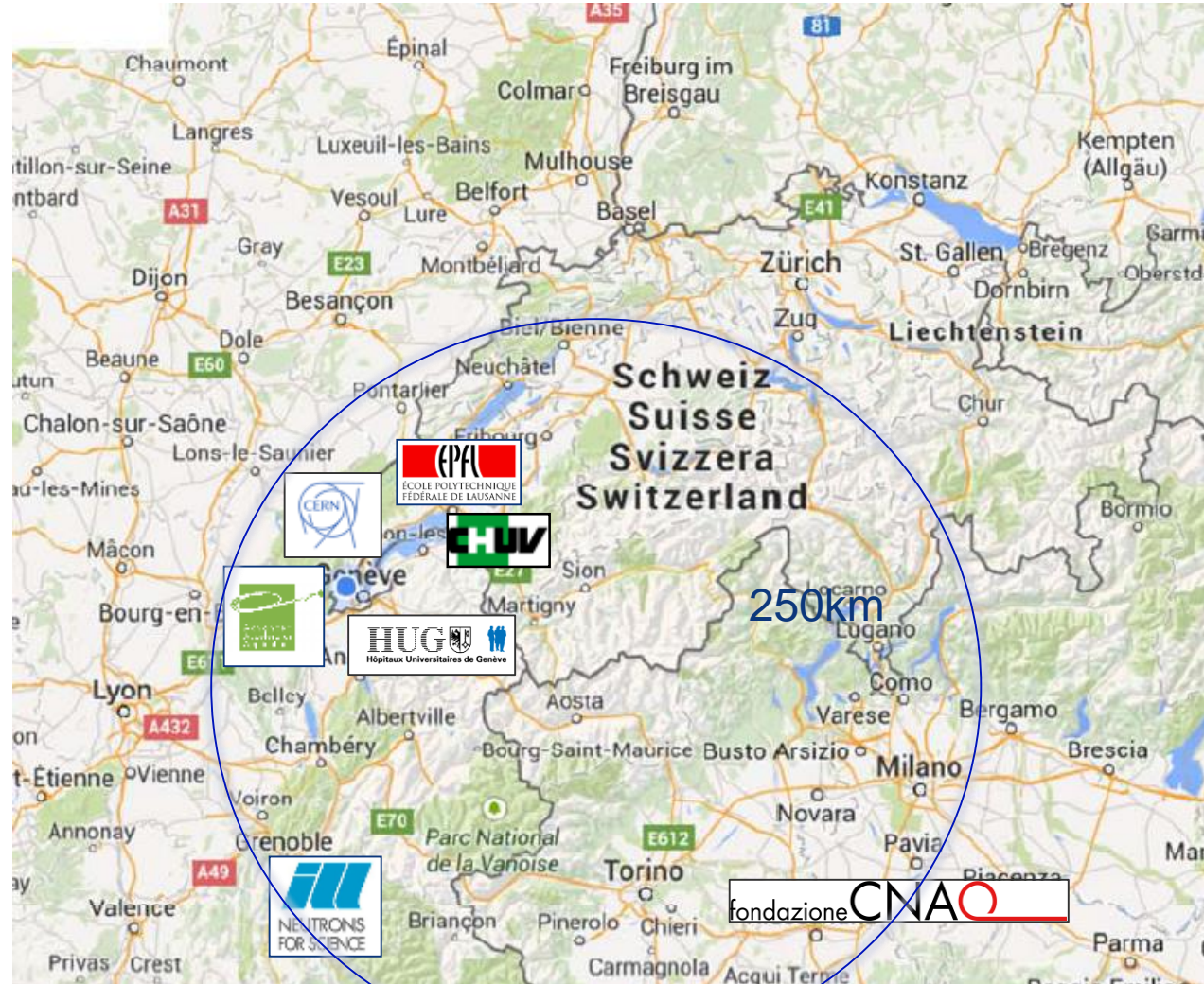
Proposed innovative treatments based on radioactive ion beam production, transport and preclinical studies



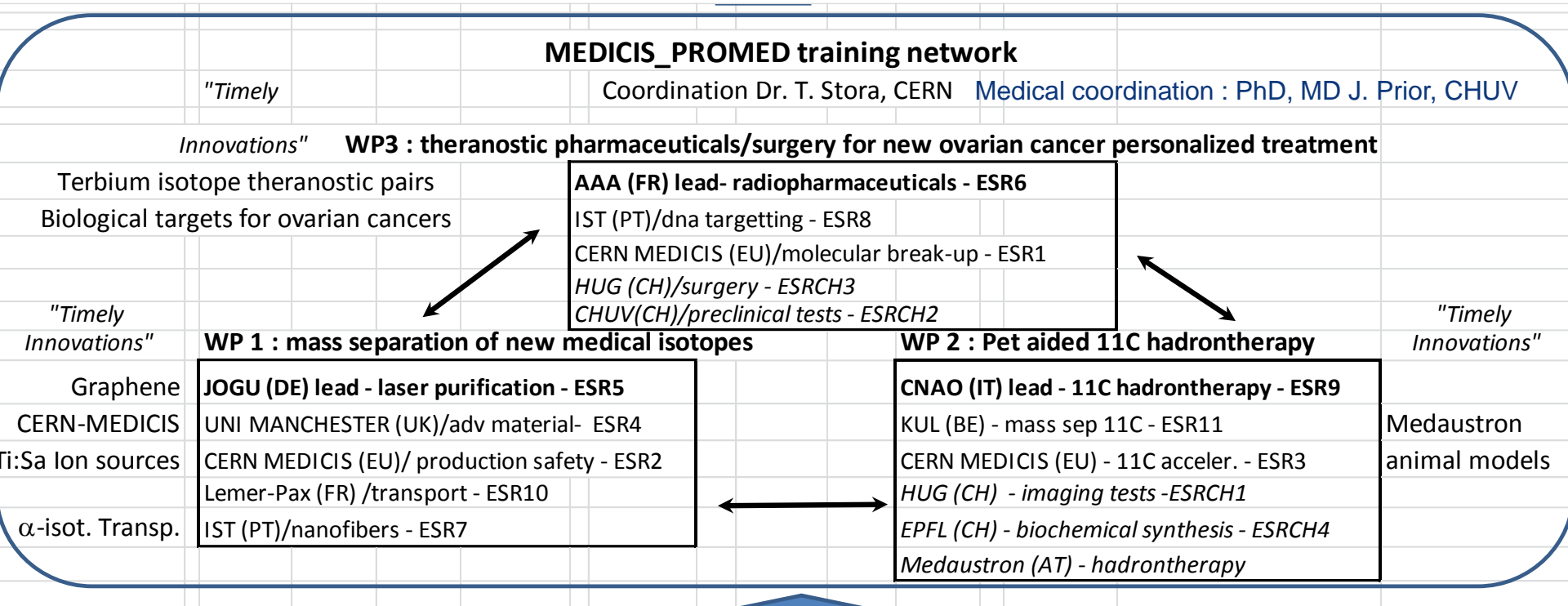
The intersectorial distributed network



The intersectorial “regional” network



Overview of the Research Network



Training : Events and models

Kick-off week – CERN (EU) – STARTING TODAY !

General training 1 – Manchester (UK)

Workshop on functional multimodal SPECT/PET imaging – Lausanne/Geneva (CH)

Specialized training 2 – Leuven (BE)

Summer school 1 at CNAO – Pavia (IT).

Summer school 2 at C2TN-IST – Lisbon (PT)

K. Novoselov, Graphene Institute – Physics Nobel Prize 2010 – Scientific Innovation and Advanced Materials

U. Koester, ILL- chairman of the NuPECC working group for *Nuclear Physics for Medicine-Radioisotope production*– Production of medical radioisotopes

P. Van Duppen, KUL – Adv ERC – Radioactive Ion Beams and Lasers

S. Buono, AAA – Radiopharmaceuticals marketing and Entrepreneurship

G. Coukos, CHUV – Adv. ERC – Immunotherapy and cancer treatment

P. Lecoq, CERN – Adv ERC – Detectors and Medical imaging

K. Noda-san – NIRS – PET-aided hadron therapy with carbon ions

Program cohesion : Oxford University Said Business School (ECTS, PhD)



Outreach

High School and undergraduate classes 1-day visits to CERN-MEDICIS/AAA/HUG :
Discussions started to organize a summer camp for teenagers

MEDICIS-PROMED **young scientist award** every year,

Public lecture by Dr. S. Buono, CEO of AAA in the Globe of Innovation (Geneva), on radiopharmaceutical marketing and entrepreneurship.

MEDICIS-PROMED contest 2 teams of ESRs (ca 6-8 each) will compete during 24 hours

Final conference

Web site : www.cern.ch/medicis-promed

Goal of the kick-off week

Induction of the network across the 15 institutes and between the newly recruited Early Stage Researchers

Answer questions

And the most important : You, the Early Stage Researchers (and their supervisors)

ESR	Name	Email	Affiliation
ESR14 (CH3)	Faraah Ben Mimoun Bel Hadj	farah.mimoun@cern.ch	UNIGE Faculty of Medicine - HUG
ESR1	Interviews planned		CERN
ESR9	KyungDon Choi	miakaj@gmail.com	CNAO
ESR7	Sanjib Chowdhury	sanjibbua@gmail.com	IST Lisbon Portugal
ESR13 (CH2)	Francesco Cicone	f.cicone@iol.it	Nuclear Medicine, CHUV, Lausanne
ESR12 (CH1)	interviews planned ?		UNIGE Faculty of Medicine - HUG
ESR8	Alice D'Onofrio	alicedonofrio@gmail.com	Instituto Superior Tecnico
ESR15 (CH4)	Tkhe Kyong Fam	tkhe.fam@epfl.ch	EPFL
ESR5	Vadim Gadelshin	gadelshinvm@mail.ru	Johannes Gutenberg University of Mainz
ESR6	Roberto Formento Cavaier	roby_forme@yahoo.it	AAA
ESR 11	Simon Stegeman	sstegema@ikp.uni-koeln.de	KULeuven
ESR10	Maddalena Maietta	maddalena.maietta@lemerpax.com	University Nantes \ Lemer Pax
ESR4	Marina Nazarova	marina.nazarova@manchester.ac.uk	University of Manchester
ESR3	Johanna Pitters	johanna.pitters@cern.ch	CERN
ESR2	Nhat-Tan Vuong	nhat-tan.vuong@cern.ch	CERN

The program of this week

- At CERN until Wednesday lunch, then at Lausanne Hospital, then at Villars/Ollon until Friday night
- Get both academic training & complementary training :
Isotope use, mass separation, medical applications
Innovation & business, presentation skills
- Personal career development plan, the MEDICIS-PROMED doctoral program “label”
- A first feedback from you on the network;
- An oral presentation given by one of you and a poster at ICTR-PHE 2016 conference

My personal wishes

- You feel that you are embarking on a PhD program that goes beyond “standards”
- You profit from this exceptional program and network
- Some of the projects will be a breakthrough in the field
- When you’ll be meeting a young friend, you’ll be recommending the MEDICIS-PROMED PhD label

- Questions, comments ?