Simultaneous interpretation

Max Audience:

200

Preregistration only

Symposium on Globalization of Clinical Research and

Trials

2015/ Feb/24 TUE 10:00~12:30
Open 9:30 · Free Admission

: Marunouchi Lini

Tetsumon Hall (14F, Experimental Research Bldg., Faculty of Medicine, the University of Tokyo)

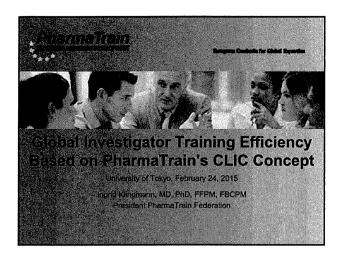
### Program

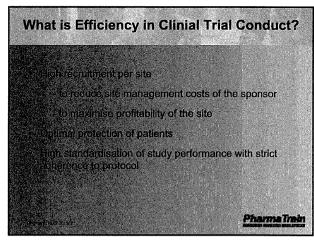
- 10:00-10:20 Evaluation of E-learning (UMIN) for training on clinical research and trial Dr. Daisuke Koide, R.Ph., HIM, Ph.D. (Associ. Prof., the Univ. of Tokyo Hospital)
- 10:20-11:00 Global Investigator Training Efficiency based on PharmaTrain's CLIC Concept Dr. Ingrid Klingmann, MD, PhD (President, PharmaTrain Federation)
- 11:00-11:40 Enhancing Investigator Training Through Blended Learning Methodology Prof. Jean-Marie Boeynaems MD, PhD (Director, Erasme academic Hospital)
- 11:40-12:00 Launching ICT in education from the Clinical Research Support Center Dr. Akiko Kishi Svensson, MD, Ph.D (Assist. Prof. the Univ. of Tokyo Hospital)
- Discussion 12:00-12:30

### Registration

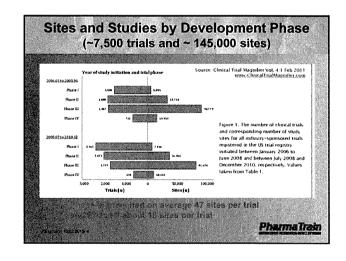
Send the following information to crtp-secretary@umin.ac.jp (No later than Feb.20) Name, Organization, Phone number, Email address.

Note: Simultaneous interpretation will be available. Please understand that this symposium will be recorded by a video camera and used for e-learning. We make sure that the audience will not be recorded. Sponsored by Grant projects of the ministry of Health, labor and welfare in Japan (leaders are Dr. Koide (Univ. of Tokyo)

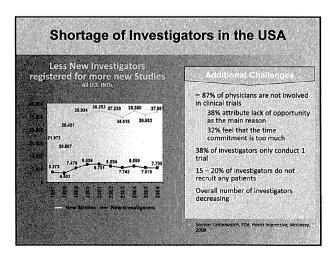




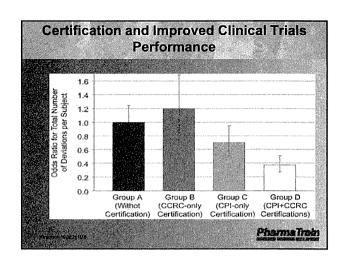
## Reality in Clinial Trial Conduct The Clinical Trials process has proven to be expensive, in Clinical and requires an urgent overhaul: \*\*OFCD-GSF\*\* Working Group to Facilitate International Geoperation in Non-Commercial Clinical Trials (2011) \*\*Institute of Medicine (IOM) of the National Academies, USA: Envisioning a Transformed Clinical Trials (Enterprise in the United States: Establishing an Agenda for 2020 (2012) \*\*European Science Foundation: Implementation of Medical Research in Clinical Practice (2012)

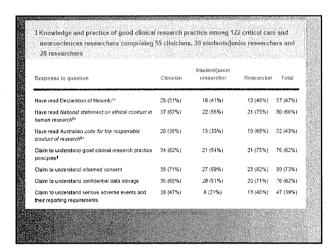






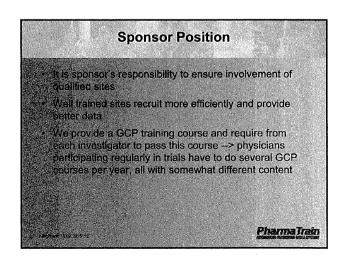
## Barriers to Efficient Clinical Research (USA) Sect of qualified investigators Sect of sufficient mentoring Coacemic reward system and career disincentives sesting research costs and lack of funding sesting research costs and lack of fund





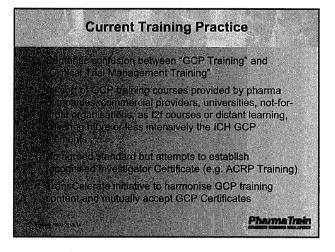
	Frequently Heard Investigator Position
	No need for training because existing education in medicine is sufficient if at all then only required for drug trials
, K	No time for training because clinical routine and workload don't leave time for this
	No financial means to cover training and travel costs  The need for an investigator certificate as pre-requisite
	to perform clinical trials would further increase the administrative hurdles and further decrease the number of trials in Europe
10	Pharma Train

# Ethics Committee and Competent Authority Position GCP requires demonstrated qualification of all stakeholders and thus investigators have to demonstrate their professionalism and knowledge as well GCP course attendance required and documented by certificate, renewal every 2 years Detailed description of the required information elements on the certificate (e.g. Germany) Detailed list of training topics for investigators, Pls, sponsor-investigators (Swissmedic)

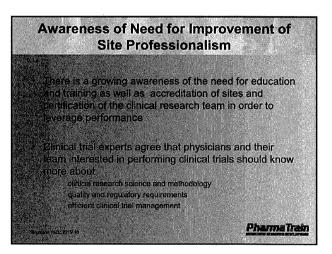


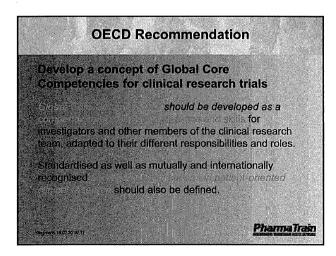
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## ICH Investigator Qualification Requirements Charles does not define specific educational description. Charles does not define specific educational description. Charles does not define specific educational description. Charles does not define specific does described by education, distinct and experience to assume responsibility for the troper conduct of the trial, and should meet all the distinctions of the distinctions of the proposed trial, as documented by a description of the proposed trial, as documented by a description of the proposed trial, as documented by a description of the specific and description of the specific description. Charles description of the specific description of the specific description. Charles description of the specific description of the specific description.



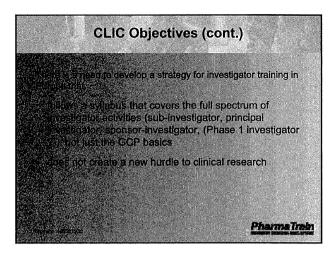
# Current Training Practice Fraining over one or two days in GCP enables physicians to better understand how to protect patients in clinical trials Linical trials PharmaTrain



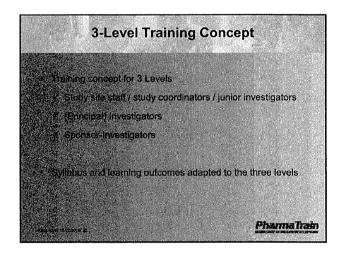




### CLIC Objectives The is a read to develop a strategy for investigator control that is attenuates the need awareness and broad willingness to suppove the situation and a application all countries to fulfil the existing national cultival regulatory and ethics committee requirements analysis academic recognition of the investigator role tutti's pharmaceutical industry's quality expectations



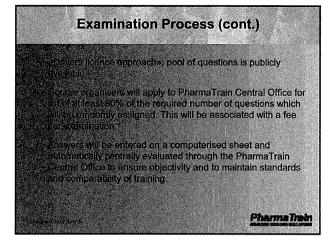
# CLIC Objectives (cont.) There is a need to develop a strategy for investigator training in Europe that out be integrated into the investigators' work schedule ban be performed without undue investment of the investigators' time is transcially affordable is provided by demonstrably qualified training organisations ensures demonstration of achieved learning outcomes Pharma Train



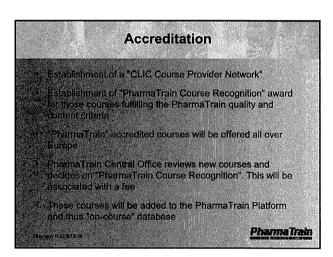
## 3-Level Training Concept (cont.) The 3-Level approach fits well with approaches from APPI (training programme for physicians: level 1 for sub-investigators, level 2 for investigators, level 3 for highly experienced trial-initiating investigators) Swissmedic (sub-investigator, investigator, sponsor-investigator) ACRP (partly fitting: Clin. Res. Coordinators, Clin Res. Associates, Investigators) Recommendations from CTU Basel, KKS Netzwerk Germany and Semmelyels University, Hungary: Level 1 to be kept focused on local trial environment including local legislation and language Pharma Train

# 3-Level Training Concept (cont.) 3-Level Training Concept (cont.) 4 Concept (basic): 16 hours of training content, 1 ECTS 4 Level 2 (Intermediate): 40 hours of training content, 2 ECTS 4 Level 3 (advanced): 64 hours of training content, 3 ECTS 4 SCLIC has built-in modules that mirror/assist levels 1 and 2 for dijected learning 5 Trainees decide on learning modus and number of learning flours to be able to pass the examination 6 Mandatory for all 3 levels: one day of f2f for passing the MCQ 6 Texamination 6 Pharma Training 7 Pharma Training 7 Pharma Training 8 Pharma Training 8 Pharma Training 9 Pharma Training 1 Pharma Training

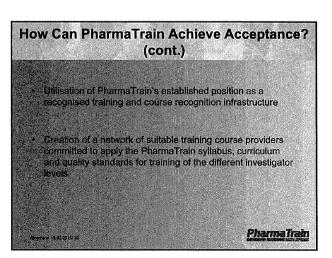
# Examination Process The children's examination day parallel of a pool of in total at least 500 MCOs for the 3 different Evels, subject to continuous improvement process and estativity analyses. MODS per examination: Su for Level 1, 60 for Level 2, 80 for Level 3 Subscible wright or wrong answers to consider per question as 80% of questions from central pool, up to 20% on national registation provided by national examination providers Levels 1 and 2 in national language, if required Passing rule at least 66%



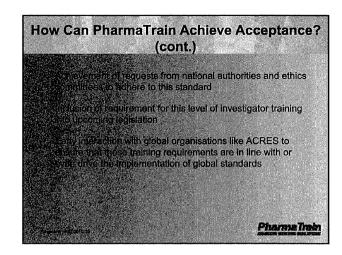
# Certification of Trainees Destinate will be issued preferably by national university, and fit his is not achievable in a country, by national physicians association or nation-wide academic Clinical Trial Unit organisation. The certificates will contain the respective label. Certificates will have PharmaTrain label. Certificates will be issued by course providers and contain their labels. PharmaTrain database on individual candidates and certificates.

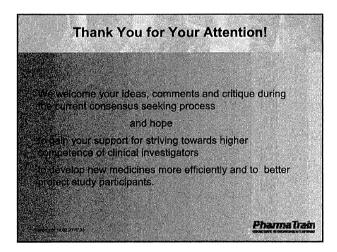


# How Can PharmaTrain Achieve Acceptance? Broad consensus seeking on the "Position Paper" that delineates concept and solutions in form of an overall strategy the required infrastructure, resources and QMS the content elements like syllabus, curriculum, learning outcomes, examination process development of a strategy for training course accreditation development of a strategy for investigator certification



# How Can PharmaTrain Achieve Acceptance? (cont.) Seleptath of a gloabl examination infrastructure, ny leafly close to the investigators, together with partner searifications like ECRIN, DIA, ACRP, national academic institutions ato. Leafly control national partner universities in all countries diliting for its see national PharmaTrain-Standard investigator staining certificates. PharmaTrain





### . PharmaTrain

Company Controls for Majori Capacit

Improving investigators training by blended learning methodology

Jean-Marie Boeynaems









- The need to improve clinical investigators training: multiple initiatives
- · Importance and diversity of e learning
- PHARMATRAIN eCLIC and other e learning tools
- · Optimal design of e learning
- · A timely topic : MOOCs

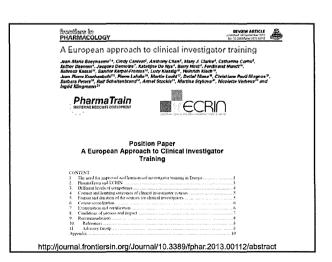
The need to improve clinical investigators training: multiple initiatives

### Multiple initiatives and documents

- Statement of clinical investigator competence, APPI Consensus Statement, Monitor, August 2011: 79-82
- CSIS (July 2013): 44 strategic measures to enhance health industries in France ... including setting up training sessions on clinical research for healthcare professionals
- CLIC initiative of the IMI (Innovative Medicines Initiative) project PharmaTrain
- TransCelerate BIOPHARMA
- OECD-WHO working group on « Global core competencies for clinical trials »

### IMI PharmaTrain

- IMI (Innovative Medicines Initiative): a public-private partnership between EU Commissision and EFPIA companies to foster medicines development in Europe.
- PharmaTrain was one project focused on training in Medicines Development Sciences/Pharmaceutical Medicine.
- Goal: developing and implementing common standards in order to improve quality.
- Also creation of new tools, especially e-learning modules.
- The IMI project has ended in 2014 and PharmaTrain is now a permanent not-for-profit organisation.



### Importance and diversity of e learning

### Advantages of e learning as compared to face-to-face

- · Pure e learning:
  - No need to travel: ! travel budget cuts in the biopharma industry.
  - No schedule constraint : during the week-end at home...
- · Blended learning:
  - Students visit an introductory e module before the face-to-face session → less theory and more case studies/ interactions.
- E learning is obviously ideal for busy people like clinical investigators!

### Different types of e learning

- From e books and self-learning to virtual classes
- Some e learning courses can be started at any time, wheras others take place according to a defined schedule
- Various degrees of interaction (selfassessments, learning activities, role of instructors, discussion forum)
- Different degrees of blending with face-toface sessions

### PHARMATRAIN eCLIC and other e learning tools

### E learning in PharmaTrain

- · Objective : development of « blended learning ».
- Basic concept : students visit an introductory e module before the face-to-face session → less theory and more case studies/ interactions.
- Collaboration between :
  - Pharma companies who provided internal resources (UCB, Pfizer, Amgen...)
  - E learning producers (Hibernia College, ScienceMedia, HSeT Foundation).

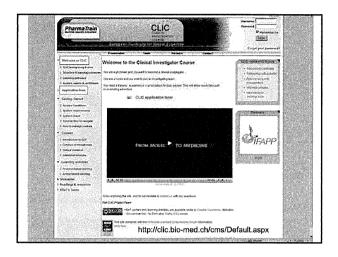
### PharmaTrain e library (I)

### 9 modules on the drug development process

- · Introduction to drug development
- How to get it right The scientific basis of formulating dose-response
- Introduction to ethical issues in clinical research
- · Introduction to Good Clinical practice
- Introduction to the registration of medicinal products
- · Introduction to health economics
- · Full development of a monoclonal antibody
- Parkinson's disease
- Asthma and COPD

### PharmaTrain e library (II)

- A course for clinical investigators and their teams: CLIC
- The PharmaTrain e library is accessible following free of charge registration at : www.pharmatrain.eu



### CLIC versus other e learning courses for clinical investigators

Several courses are available. They differ *inter alia* by their length:

• Brookwood academy: ± 2.5 hours

• Zenosis: ± 3 hours

• CITI Program (University of Miami): 4-6 hours

• Online GCP (Infonetica): ± 6 hours

 eCLIC (HSeT, PharmaTrain) : 16 hours and more

### Optimal design of e learning

### Design of e learning courses

- · The emerging format combines:
  - Slide summarising the content
  - Voice recording providing additional details and explanations
  - Possibility to print a transcript of the voice recording.
- Surveys among students show that they differ in their preferences: looking at the screen or listening to a podcast or printing and reading a paper transcript.

### Issues in the design of e learning courses

- Ease of navigation through a module
- · Images and figures: true added value?
- · Interactivity tools : drag and drop...
- · Importance of videos of the lecturer?
- · IT technical requirements