



<http://geant4-dna.org>

Welcome

2015 Geant4-DNA Tutorial

Hiroshima, Japan

August 24-25

Yōkoso !

- This is the **second Geant₄-DNA tutorial**
 - The first one was organized in November 2014 at the **European Space Agency**, The Netherlands
 - Initiator of the Geant₄-DNA project
 - Now based on the Geant₄ Virtual Machine developped at Bordeaux U., France
- During this tutorial you will learn
 - Geant₄-DNA **physics**
 - Geant₄-DNA **physico/chemistry and chemistry**
 - Hands-ons, including the modelling of **geometries of biological targets** for early damage simulation
 - Using a dedicated **virtual machine**
 - Including a **round table** discussion

Agenda

Tuesday, August 25

Monday, August 24

Mon 24/8		
PrintPDFFull screenDetailed viewFilter		
14:00	Welcome	<i>Dr. Sebastien INCERTI</i> 14:00 - 14:10
	Installation of Geant4 Virtual Machine	<i>Dr. Sebastien INCERTI</i> 14:10 - 14:40
	Geant4-DNA Overview & Physics	<i>Dr. Sebastien INCERTI</i> 14:40 - 15:10
15:00	Break	Extend by 30 minues if required for VM 15:10 - 15:40
	Hans-on: dnaphysics	<i>Dr. Sebastien INCERTI</i> 15:40 - 16:10
16:00	Hands-on: microdosimetry	<i>Dr. Sebastien INCERTI</i> 16:10 - 16:40
	Hands-on: TestEm12	<i>Dr. Sebastien INCERTI</i> 16:40 - 17:00
17:00	Hands-on: svalue	<i>Dr. Sebastien INCERTI</i> 17:00 - 17:30
	Hands-on: microbeam	<i>Dr. Sebastien INCERTI</i> 17:30 - 18:00
18:00		

10:00	Geant4-DNA Chemistry	<i>Mr. Mathieu KARAMITROS</i> 09:30 - 10:10
	Hands-on: chem1	<i>Dr. Ngoc Hoang TRAN</i> 10:10 - 10:40
	Break	10:40 - 11:10
11:00	Hands-on: chem2	<i>Dr. Ngoc Hoang TRAN</i> 11:10 - 11:40
	Hands-on: chem3	<i>Dr. Ngoc Hoang TRAN</i> 11:40 - 12:10
12:00	Hands-on: pdb4dna	<i>Dr. Sebastien INCERTI</i> 12:10 - 12:40
	Lunch	12:40 - 13:40
13:00	Hnads-on: wholeNuclearDNA	<i>Dr. Carmen VILLAGRASA</i> 13:40 - 14:10
14:00	Efforts in Japan	<i>Dr. Shogo OKADA et al.</i> 14:10 - 14:40
15:00	Discussion with users	
16:00		14:40 - 16:30

Teachers

- **Dr Mathieu KARAMITROS**, Notre Dame U., Notre Dame, IN, **USA**
 - Postdoctoral fellow
 - Father of Geant4-DNA « physico/chemistry and chemistry »
- **Dr Sylvain MEYLAN**, IRSN, **France**
 - PhD student
 - Geant4-DNA physics, geometries and applications
- **Dr Hoang Ngoc TRAN**, Ton Duc Thang U., Ho Chi Minh City, **Vietnam**
 - Researcher
 - Geant4-DNA physics
- **Dr Shogo OKADA**, KEK, Tsukuba, **Japan**
 - Postdoctoral fellow
 - Geant4-DNA computing and GPU
- **Dr Carmen VILLAGRASA**, IRSN, **France**
 - Researcher
 - Geant4-DNA physics and geometries
- **Dr Sebastien INCERTI**, CNRS, Bordeaux, **France**
 - Researcher
 - Coordinator of Geant4-DNA and Geant4 « low energy » electromagnetic Physics



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- Pr Takashi Sasaki, KEK
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- Dr Shogo Okada, KEK

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Let's take 5 minutes:

Please, introduce
yourself quickly...

Who ? Where ? What ?