

Objectives

To be able to autonomously modify and program imaging sequences on Bruker spectrometers equipped with the Paravision 3.0.2 to 5.1 environment.

Public

Researchers and engineers from academia and industry wanting to modify/adapt sequences provided by Bruker. Basic knowledge of programming in C language is required.

Group limited to 15 participants.

Language

English or French, depending on participants

Contents

Day 1 : Optional

- Getting familiar with Bruker Linux systems
- Programming good practice

Days 2,3,4

- Presentation of the links between software and hardware parts of Bruker systems.
- Acquisition of basic concepts in sequence programming
- Slight modifications of a sequence
- Advanced modifications of a sequence
- Automation, acquisition techniques driven by other software/languages
- Pipelined acquisition

Speakers

- Denis Grenier (Laboratoire Creatis, Lyon)
- Vasile Stupar (GIN, Grenoble)
- Benoît Larrat (Neurospin, CEA Saclay)
- Didier Wecker (Bruker)

Method

- Theory (8h – 30%)
- Practical training (15,5h - 60%)
- Round table and case study (2,5h - 10 %)

Duration : 4 days

1 optional (6h) on Pre-requisite
3 days course (20h)

Dates

September 22-25, 2015

Location

INSA de Lyon
20 avenue Albert Einstein
69621 Villeurbanne

Registration fees

Students: 500€
Academics : 1000€
Industrials : 1800€

Reference code : 22A



Scientific advisor / Course leader

Denis Grenier (CNRS UMR 5220 - INSERM U1044 - Université Lyon 1/INSA Lyon)

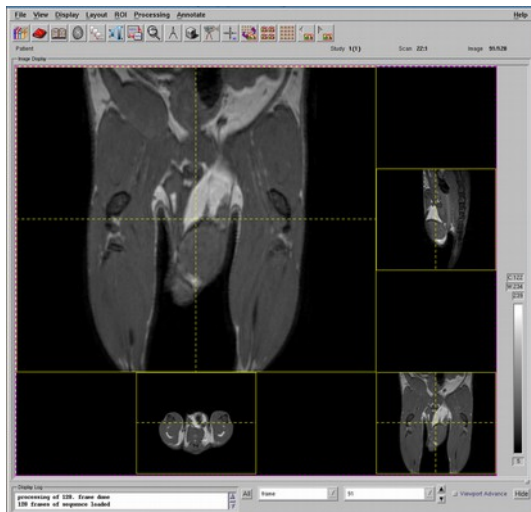
e-mail : denis.grenier@creatis.insa-lyon.fr

Training manager

Vivienne Fardeau
Tél : +33 1 69 08 54 88
e-mail : vivienne.fardeau@cea.fr

Registration before August 20, 2015

Françoise Tourdes
INSTN – CEA Saclay
Point courrier n° 35
F-91191 Gif-sur-Yvette Cedex
Tél. : +33 1 69 08 71 78
e-mail : francoise.tourdes@cea.fr



Mice lower limbs, 7T
Laboratoire de RMN, AIM-CEA, Paris



Other trainings with France Life Imaging

- Workshop « Optical Imaging »
Paris, September 17-18, 2015
- Practical training « High-resolution small animal ultrasound imaging »
Paris, September 29 – October 2, 2015
- Workshop « Imaging your career : support functions in imaging research »
Paris, October 7-8, 2015
- Formation FLI « Etat de l'art en imagerie »
JFR 2015, Paris, October 15, 2015
- Atelier « Biomarqueurs et agents d'imagerie en neurologie »
Orsay, November 16-17, 2015

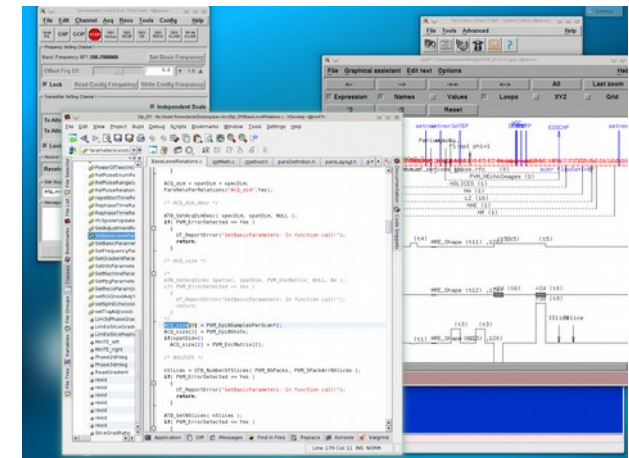
More information to come on our website
<http://francelifeimaging.fr>

Contact the Work Package Formation FLI
vivienne.fardeau@cea.fr
lauranne.duquenne@inserm.fr



NMR imaging sequence programming

using **Bruker ParaVision**
3.0.2 to 5.1



Screenshot of the Bruker ParaVision 5 environment
Denis Grenier, Creatis

September 22 – 25, 2015

Campus de la Doua
Villeurbanne, France



www-instn.cea.fr

