

## SPIDIA TRAINING COURSE

# "Practical Introduction to Metabolomics"

18-20 July

Magnetic Resonance Center (CERM)

Sesto Fiorentino (Florence), Italy



The course is in the frame of the educational activities of the EU funded project SPIDIA (Standardisation and improvement of generic pre-analytical tools and procedures for in-vitro diagnostics, <http://www.spidia.eu/>), and it is particularly suited to students and young researcher interested in the field of metabolomics.

## PROGRAMME

### *1st day - 18th July*

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<b>10:45 - 15:00</b>	<b>Arrivals of participants</b>
<b>15:00 - 16:30</b>	<b>Metabolomics: the last omic science (Claudio Luchinat - CERM)</b>
<b>16:30 - 17:00</b>	<b>COFFEE BREAK</b>
<b>17:00 - 18:30</b>	<b>MS spectrometry in metabolomics (Anna Artati - Helmholtz Zentrum München)</b>
<b>20:00</b>	<b>DINNER</b>

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*2nd day - 19th July*

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**09:00 - 13:00**    **Training activities in NMR spectra acquisition (Leonardo Tenori - CERM)**

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**13:00 - 15:00**    **LUNCH**

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**15:00 - 16:30**    **Standardization of NMR spectra (Claudia Napoli - Bruker Italy)**

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**16:30 - 17:00**    **COFFEE BREAK**

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**17:00 - 18:30**    **Metabolites, metabolic pathways, and biomarkers discovery (Rui Wang-Sattler - Helmholtz Zentrum München)**

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**20:00**                **DINNER**

*3rd day - 20th July*

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**09:00 - 10:45**    **Statistical data analysis in metabolomics (Birk Schuetz - Bruker Biospin)**

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**10:45 - 12:30**    **Training activities in NMR spectra analysis: AMIX based (Claudia Napoli - Bruker Italy)**

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**13:00**                **DEPARTURE OF THE PARTICIPANTS**