

# TEACHING COURSE IN ONCOIMMUNOLOGY

## AT HIGH OXIDATIVE STRESS: SABR

Seville, April 21-23, 2016

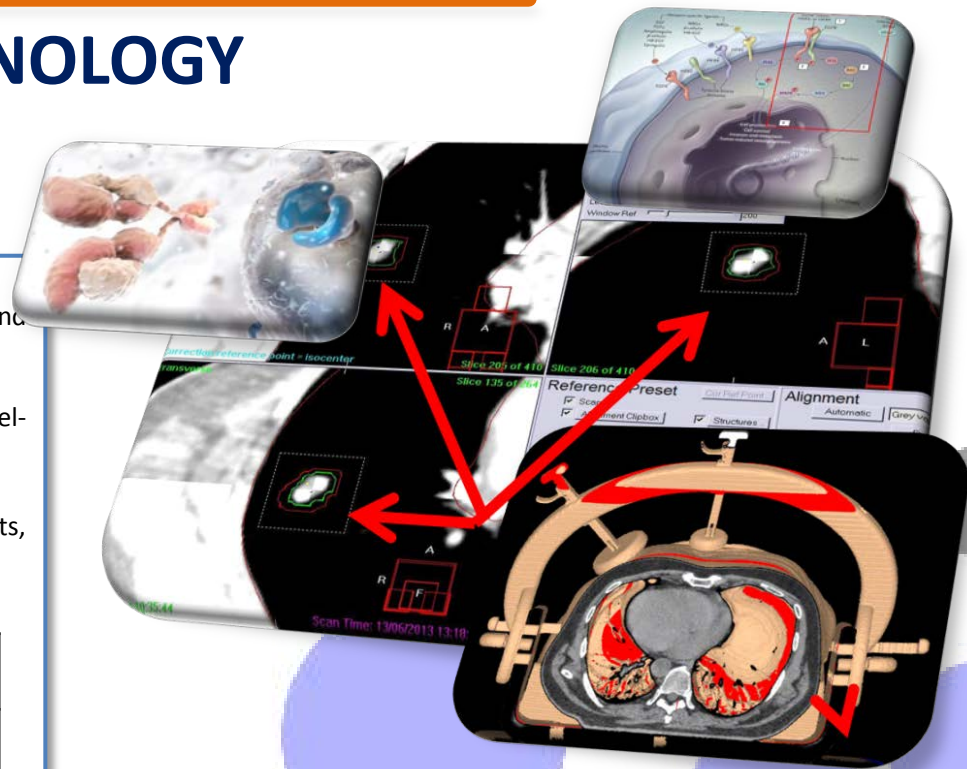
### AIMS:

- Updating participants about biological effects of combining immunotherapy and SABR in normal and tumor tissue.
- Stimulating case-based discussion on the interdisciplinary cancer treatment.
- To make the attendees critical users of models and better at making model-supported decisions.
- Presenting future perspectives for combining immunotherapy and SABR.

**TARGET GROUP:** The course is aimed at radiation oncologists, medical oncologists, biologists and physicists involved in the multidisciplinary treatment of cancer.

**REGISTRATION:** <http://form.gesintur.com/curso-sabr-2016/>

FEES	Physicians, Clinical Physicists, Biology & Biochemistry (PhD) researchers, Other healthcare professionals	375 € (21% VAT included)
	Residents, Pre-doctoral researchers	160 € (21% VAT included)



### PROGRAMME\*

SCIENTIFIC PROGRAMME	TIME	TEACHER
Opening, Welcome address	9:45 h.	<b>Manuel Romero, PhD.</b> <i>Managing Director. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
Biological basis of immunotherapy: immunogenicity and immune microenvironment	10:00 h.	<b>Pedro Berraondo, PhD.</b> <i>CIMA researcher responsible for tumor cytokine-based immunotherapy. Universidad de Navarra</i>
New advances in immunotherapy to treat lymphomas and lung cancer	10:45h.	<b>Mariano Provencio, MD, PhD.</b> <i>Medical Oncology Service. Hospital Universitario Puerta de Hierro (Madrid)</i>
Coffee-break	11:30 h.	
Abscopal and Bystander effect: clinical perspective.	12:00 h.	<b>Jaime Gómez-Millán, MD, PhD.</b> <i>Radiation Oncology Dpt. Hospital Virgen de la Victoria (Málaga)</i>
Clinical radiobiology SBRT : Critical Appraisal	12:45 h.	<b>Santiago Velázquez, PhD. Clinical Physicist.</b> <i>Medical Physics Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
LUNCH	13:30 h.	
New advances in immunotherapy to treat melanoma (SBRT)	14:45 h.	<b>Luis de la Cruz, MD, PhD.</b> <i>Oncology Service. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
Intratumoral microenvironment & adaptive immune response	15:30 h.	<b>José Luis López, MD, PhD.</b> <i>Radioncology Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
SBRT-Dampening. Physiology of respiration in radiotherapy movements. Toxicities & comorbidities	16:15 h..	<b>Santiago Velázquez, PhD, Clinical Physicist.</b> <i>Medical Physics Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
Coffee-break	16:45 h.	
SBRT-Tracking SBRT-Gating	17:30 h.	<b>Alberto Pérez-Rozos, PhD, Clinical Physicist.</b> <i>Radiophysics Dpt. Hospital Virgen de la Victoria (Málaga)</i>
Systemic review of the patterns of failure following SABR in NSCLC: clinical implications	18:15 h.	<b>Elena Montero, MD, PhD.</b> <i>Radioncology Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>

THURSDAY, April 21

FRIDAY, April 22  
(morning)

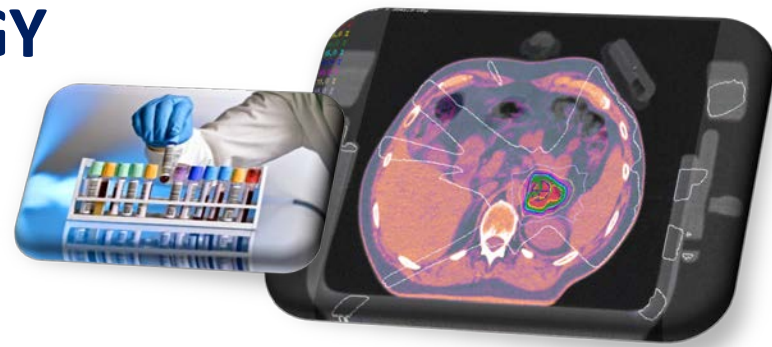
SCIENTIFIC PROGRAMME	TIME	TEACHER
CTC and their associated miRNA as prognostic and predictive biomarkers in patients undergoing oncological treatment	10:00 h.	<b>María José Serrano, MD, PhD.</b> <i>Researcher at GENyO Center (Granada)</i>
Functional Neurosurgery and Gamma Knife	10:45h.	<b>Germán Rey, PhD, Clinical Physicist.</b> <i>Head of Radiophysics. Hospital Ruber Internacional (Madrid)</i>
Coffee-break	11:30 h.	
Stereotactic radiosurgery for functional disorders	12:00 h.	<b>Roberto Martínez-Álvarez PhD MD.</b> <i>Head of Functional Neurosurgery and Gamma Knife Unit. Hospital Ruber Internacional</i>
Paraspinal single-fraction stereotactic body radiation therapy	12:45 h.	<b>María Rubio, MD, PhD.</b> <i>Radioncology Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
LUNCH	13:30 h.	

\* The course will be taught mostly in Spanish

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Current Concepts of Immuno-Radiobiology	14:45 h.	<b>Pr. Bodo Lippitz.</b> <i>Department of Clinical Neuroscience. Karolinska Institute, Stockholm</i>
Immunotherapy in germ cell cancer	15:30 h.	<b>Ignacio Durán, MD,PhD.</b> <i>Medical Oncology Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
Mathematical models of the systemic effect of radiation	16:15 h.	<b>Alberto Sánchez-Reyes, PhD, Clinical Physicist.</b> <i>Coordinator of the Radiophysics Department at Instituto Madrileño de Oncología/ IMO</i>
Coffee-break	16:45 h.	
Hypofractionation models : oxidative antiangiogenesis versus Bevacizumab	17:30 h.	<b>Alberto Sánchez-Reyes, PhD, Clinical Physicist.</b> <i>Coordinator of the Radiophysics Department at Instituto Madrileño de Oncología/ IMO.</i>
SBRT treatments design : IMRT , VMAT , irradiation time and interplay effect	18:15 h.	<b>Francisco Góngora, PhD, Clinical Physicist.</b> <i>Clínica XANIT-LIMONAR (Málaga)</i>

FRIDAY, April 22  
(afternoon)

SCIENTIFIC PROGRAMME	TEACHER
SlowSimCT & Conebeam in SBRT : real cases	<b>Mónica Ortiz-Seidel, Clinical Physicist.</b> <b>Montserrat Baeza, PhD, Clinical Physicist.</b> <i>Medical Physics Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
Designing a lung SBRT - treatments: VMAT	<b>Santiago Velázquez, PhD, Clinical Physicist.</b> <i>Medical Physics Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>
Isolation & detection of circulating tumor cells (CTCs)	<b>José Ignacio Piruat, PhD. Researcher at IBIS (Seville)</b> <b>Raquel Gómez. Technician at IBIS' Multiple Uses Lab (Seville).</b>
Designing a SBRT - adrenal and paraspinal treatments: non coplanar beams	<b>F.J. Luis, PhD, Clinical Physicist.</b> <b>J.C. Mateos, PhD, Clinical Physicist.</b> <i>Medical Physics Dpt. Hospital Universitario Virgen Macarena- Virgen del Rocío</i>

SATURDAY, April 23  
PRACTICES

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#### VENUE

Seville, April 21-23, 2016

Instituto de Biomedicina de Sevilla – IBiS  
Hospital Universitario Virgen del Rocío  
Avda. Manuel Siurot, s/n - 41013 Sevilla  
[www.ibis-sevilla.es](http://www.ibis-sevilla.es)

#### SCIENTIFIC COORDINATOR

Hospital Universitario Virgen Macarena- Virgen del Rocío  
**Santiago Velázquez, Clinical Physicist**  
**Ignacio Durán, MD,PhD. Director of Medical Oncology**

#### TECHNICAL SUPPORT

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