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TM17\_Dip\_ScMed

## ***Teach Mob – Visiting Professors Academic year 2014/2015***

<b>2nd term</b>
<b>COURSE TITLE</b> Pathology – from routine diagnostic to molecular studies
<b>Scientific area</b> Pathology
<b>Department of Medical Sciences</b>
<b>Language used to teach</b> English
<b>Course summary</b> The course will be focused on the impact of Pathological Anatomy in the diagnostic process. Specifically, different areas (Autopsy, Histopathology, Cytopathology) will be illustrated. Moreover, the course will deal with mechanisms of tumor development in individual organ systems and how tumor spreads. Information about Molecular Pathology techniques applied to clinical practice will be provided. During seminars, students will directly participate in the work-up of pathology cases.
<b>Learning objectives</b> At the end of the Course the students will: <ul style="list-style-type: none"><li>- learn how to perform basic histological and cytological techniques</li><li>- recognize the major sources of artefacts affecting cyto-histological slide preparations</li><li>- understand the organization and finalities of a Laboratory of Pathological Anatomy</li><li>- have knowledge of the molecular basis of disease and recent advances in technology of molecular pathology</li><li>- become familiar with the principles and technique used in the design and validation of molecular tests</li><li>- understand the specimen requirements for histological, cytological and molecular tests</li></ul>

<b>Visiting Professor Profile</b> Assistant Professor The candidate needs to have extensive experience in cytopathology, diagnostic histopathology and molecular techniques applied to tissue and cells for diagnostic purposes. The candidate has to demonstrate extensive teaching experiences in official University Courses, either by official teaching courses or by Lectures. The candidate needs to possess a strong background and leadership within Laboratories of Diagnostic Histopathology and Molecular Pathology.
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