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Istituto di Biologia Cellulare e Neurobiologia

*Institute of Cell Biology and Neurobiology*

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AVVISO DI SEMINARIO  
SEMINAR ANNOUNCEMENT

# From encoded libraries to targeted therapeutics

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**16 May 2017**

**15:00 – 16:30**

## **Monterotondo CNR Seminar Room, Building 21**

**Highlights:** The isolation of small molecules or of monoclonal antibodies, capable of specific binding to a target protein of interest, has been facilitated by the advent of novel technology for the creation and screening of large combinatorial libraries. More specifically, human antibodies are conveniently isolated from phage display libraries, while small organic ligands can be isolated from DNA-encoded chemical libraries.

In this lecture, I will:

- present basic principles for the construction, design and use of encoded combinatorial libraries of antibodies or of small organic molecules
- show how ligands (specific to tumor-associated antigens) have been used by my laboratory in collaboration with Philogen ([www.philogen.com](http://www.philogen.com)) for the generation of targeted therapeutics, which are currently being tested in advanced clinical trials.

**Host: Prof. Fabio Mammano**