

# Caterina Valetti

Researcher

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## *Education and training*

1988

### **Laurea in Scienze Biologiche**

Università di Milano - IT

1997

### **Dottorato in Scienze Immunologiche**

Università di Genova - IT

## *Academic experience*

1989

### **Research fellow**

IST - Genova - IT

Characterization of Russell Bodies like structures in myeloma cell lines

1990 - 1993

### **Research fellow**

San Raffaele Scientific Institute - Milano - IT

Effects of divalent and monovalent reducing agents on intracellular transport of secretory proteins

1994 - 1998

### **Research fellow**

Geneva University - Geneva - CH

Interaction of CLIP-170 an endosome-microtubule linker protein with membrane. Role of dynactin complex in endocytosis

1998 - 2000

### **Post - doctoral fellow**

Università di Genova - IT

OA1 protein its pathway to melanosomes

2000 - ONGOING

### **Ricercatore Universitario**

Università di Genova - IT

## *Research interests*

My research activity inspects protein aggregates and cytotoxicity. We are

interested to define which cellular mechanisms are active or are impaired due to the synthesis of aberrant Immunoglobulin  $\mu$  (Ig- $\mu$ ) chains that leads to Russell Bodies formation. RBs structures are frequently detected in disorder of secretory B cells, and they represent a model of Endoplasmic Reticulum Storage Disease. We are assay ER stress, caused by the overload of aberrant Ig- $\mu$ , through XBP1 splicing assay, ER expansion, ATF6 activation and Autophagy modulation.