

*Contribution to the genetic diagnosis of immunological disorders and to the identification of new autoinflammatory diseases.*  
**CONTAGION AND IMMUNITY**

**Autoinflammatory diseases**

*Cerebral mechanisms, functional architectures and models of cognitive processes: theory, analysis and experimental research.  
The interaction among different disciplinary approaches as a way to address the complexity of cognitive processes.*  
**COGNITIVE SCIENCES**

**Cerebral mechanisms**

*Concepts of citizenship and social, political and cultural belonging explored in different ages. Historical-juridical framework  
will be increased by remarks on the contestualization derived by these two concepts supplied by writing sources.*  
**WEB-COMMUNITY AND WEB-CITIZENSHIP**

**City and citizenship**

*Research on relationships between ethic, economy and law, referring to global justice and to micro economic institutions  
(agreement, enterprise, regulation); their effects on corporate social responsibility and multistakeholder enterprise governance.*  
**ECONOMETHICS**

**Economy, Law, Ethic in Network**

*Comparing different and several research's prospects around the concept of border, as a separating boundary and element of  
contact and transit - a threshold - between different semantic, cultural and spacial spheres.*  
**FORMAL TOOLS TO ANALYSE CLASSICAL PHENOMENA**

**Edge, Threshold, Border, Limit**

*Evolution of species and human societies: studying the Theory of Evolution as the basis for the interpretation of biological  
phenomena and for the understanding of behaviours and social manifestations of the human species.*  
**BIOECONOMICS**

**Evolution of species & human societies**

*Representation, identity and governance: developing the understanding of history and organization of territorial contexts  
through two perspectives: enhancement of territorial identities and governance of territorial and environmental systems.*  
**HISTORY AND ENVIRONMENTAL GOVERNANCE**

**Experiencing the territory**

*Managing and using genetic biobanks and relative databases, by the registration and the use of biological material and clinical  
information from patients affected by genetic diseases.*  
**BIOBANKING**

**Genetic biobanks**

*Studying historical landscape and models of development of territory followed one upon the other in the centuries, to describe  
the awareness of multidisciplinary.*  
**ARCHAEOLOGY, ENVIRONMENT, COMPLEXITY**

**Innovative methods in archaeological & environmental study**

*Providing advanced research training in multidisciplinary fields with the aim of reciprocal enrichment; promoting scientific  
research in cutting-edge fields among a variety of academic disciplines; reinforcing networks by emphasizing political and institutional structures as well as the dynamics of economic and social development on regional, national and supra-national levels.*  
**MODELS OF MODERNIZATION**

**Italian modernization**

*New methodological approach with multidisciplinary feature to study origin, use and deterioration of stony ornamental details.*  
**ARCHEOMETRIA**

**Ornamental study stony**

*A multidisciplinary approach to complexity.*  
**ECONOPHYSICS**

**Physics and complex systems**

*Exploring key-moments in the definition of a body of ideas that combines elements belonging to scientific culture with various  
branches of the humanities. Essential subjects include historic and geographic contextualisations, scientific discoveries and the use of concepts pertaining to physics in the arts.*  
**THE ART AND SCIENCE OF REFLECTION**

**Reflection / Representation**

*To study as today, through the translation of classical texts or foreigners, one adjustment of them can be effected to the  
contemporary standards and the present cultural schemes.*  
**METAPHOREIN. TRANSLATION, TRASPOSITION, INTERPRETATION**

**Translation of literary text**

*Biothech models: use of vascular endothelial cell and cord blood-derived stem cells to evaluate the role of growth factors and  
vasoactive peptides, the endothelial response and the levels of circulating endothelial progenitors.*  
**STAM CELLS**

**Umbilical cord**

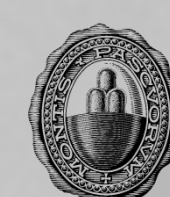
*Stam cells use on head and mouth: possible application and development. To transfer knowledge and research background to  
biomedical and dental areas on stam cells and how important their application can be.*  
**ETHIC OF SCIENCE**

**Use of stem cells**

**Pro.M.** - multidisciplinary programs - belonging to Graduate School Santa Chiara promote interaction among 3 PhD Schools at least, about subjects which need multiple competences. Their aim is to train young researchers (PhD students) about new emerging disciplines (represented by CHAIR) which usually are at the intersection among well-established subjects in the scientific community. **Pro.M.** manage a more flexible division in the scientific work and let to conform quickly to new problems set by scientific society and community.

**On Santa Chiara web, find an up-to-date calendar about PRO.M. and Chair events.**

**Scuola Superiore Santa Chiara**  
Via del Refugio, 4 - 53100 Siena  
Tel. (+39) 0577 280376  
email: [segreteria.sssc@unisi.it](mailto:segreteria.sssc@unisi.it)  
Web: [www.unisi.it/santachiara](http://www.unisi.it/santachiara)



FONDAZIONE  
MONTE DEI PASCHI  
DI SIENA