

Summer School Emory @ Unisi
Chemistry for Life & Environment
14th Edition, 28 May - 04 July 2017

28 May, Sunday	
11.00 am 3.00 pm	Departure from Rome Arrival of Emory Group. Check-in at Refugio residence
4.00	Introductory meeting at Refugio by summer program coordinators. Introduction to the program, teaching aids, internet connection, notes about Siena ...
7.00	Lottery of Contrade that will run the Palio on July 2 nd
8.00	Welcome Dinner at Spadaforte, Piazza del Campo
29 May, Monday	
9.00 am	Emory Classes at Refugio
12.00 2.00 pm	Lunch at Mensa Universitaria at Bandini, cards validation Guided visit to the "Museo Civico, Palazzo Comunale, Piazza del Campo"
30 May, Tuesday OPENING OF THE SUMMER SCHOOL (Santa Chiara, Auditorium)	
10.00 am	Introduction and Greetings Agnese Magnani, Gabriella Tamasi and Daniela Valensin Francesco Frati – Rector of Unisi Annalisa Santucci - Director Dept Biotechnology Chemistry & Pharmacy & Director Biochemistry & Molecular Biology PhD School Stefano Mangani - Director Chemical & Pharmaceutical Sciences PhD School
10.30	José Soria & Vincent Conticello - Emory Representative Gabriella Tamasi - Introduction of summer program
11.00	Presentations by Unisi Research Groups Claudio Rossi - USiena-AgriFood Network Coordinator Nutraceuticals
11.15	Ilaria Bonini & Massimo Nepi Botanical Museum of the University of Siena: Conservation, Education and Research
11.30	Gianluca Giorgi Mass spectrometry in organic chemistry: from structural to stereochemical and conformational characterization
11.45	Stefania Butini Development of modulators of the endocannabinoid system as potential therapeutics
12.00	Enrico Tavarnelli The depositional and tectonic history of ridges and basins of Southern Tuscany: geological controls on the quality of wines and food produced in Val d'Orcia and in the Chianti mts
12.30 2.00 pm	Buffet Conclusions

31 May, Wednesday	
9.00 am	Emory Classes at Refugio
01 June, Thursday	
9.00 am	Emory Classes at Refugio
02 June, Friday - Italian Civic Holiday (Festa della Repubblica)	
9.00 am	Emory Classes at Refugio
03 June, Saturday	
	Free Day in Siena
04 June, Sunday	
	Free Day in Siena
05 June, Monday FIELD-TRIP TO BARONE RICASOLI SPA AGRICOLA (BROLIO, GAIOLE IN CHIANTI)	
9.30 am	Departure from Porta Romana
10.00	Arrival at Brolio
10.15	Guided visit and class in the vineyards about Sangiovese and other vines growing, treatments, ... and guided visit and class in the cellars about wine production and aging
12.00	Wine tasting
1.00 pm	Lunch at Restaurant Cantine Barone Ricasoli, typical Chianti foods
2.30	Guided visit to the Ricasoli Castle, old enological laboratory of Barone Bettino Ricasoli, History of Chianti and Italy
4.30	Return to Siena
06 June, Tuesday	
9.00 am	Emory Classes at Refugio
12.00	First program evaluation, forms filling for Emory Students
07 June, Wednesday - Day at San Miniato (Room #12)	
9.30-10.30 am	Unisi Lecture Session Stefano Mangani Ferritin - Chemistry at the protein-mineral interface
10.30-11.30	Evelina Colacino Thinking chemistry differently: Mechanochemistry a disruptive innovation for chemists and biologists
11.30-12.30	Emory students meet Unisi Students Students present their own experiences at Universities. Teachers excluded!
12.30	Lunch time at San Miniato Mensa
2.30-5.30 pm	Parallel Unisi Laboratory Sessions Gianluca Giorgi Mass spectrometry in organic chemistry: from structural to stereochemical and conformational characterization

	<p>Manuela Benvenuti Lysozyme crystallization</p> <p>Evelina Colacino Thinking chemistry differently: Mechanochemistry a disruptive innovation for chemists and biologists</p>
08 June, Thursday	
9.00 am	Emory Classes at Refugio
09 June, Friday	
9.00	Emory Students and Faculties visiting Florence
10 June, Saturday	
	Free Day
11 June, Sunday	
	Free Day
12 June, Monday - Day at San Miniato (Room Aula Magna) 1st Emory-UniSi Research Symposium	
9.30 am	<p>Chairman: Agnese Magnani Introduction and Greetings Francesco Frati – Rector of Unisi Annalisa Santucci - Director Dept Biotechnology Chemistry & Pharmacy at Unisi Stefan Lutz - Director Dept Chemistry at Emory Anna Lisa Poggialini – Office for International Affairs</p>
10.00 - 10.45	<p>Chairman: Gabriella Tamasi Stefan Lutz Engineering biocatalysts: exploring and exploiting flavoenzymes</p>
10.45 - 11.30	<p>Rebecca Pogni Oxidative enzymes: mapping of the catalytic intermediates and immobilization on nanomaterials</p>
11.30 - 12.15	<p>Vincent Conticello Peptide and protein nanomaterials: the design challenge</p>
12.30	Buffet & Posters session
2.30 - 3.15	<p>Chairman: Daniela Valensin Neri Niccolai Structural bioinformatics: a new window to observe the protein universe</p>
3.15 - 4.00	<p>Nathan Jui New reaction development using radical anion intermediates</p>
4.00 - 4.45	<p>Allan Watson Development of Autotaxin inhibitors via structure-based design</p>
4.45 - 5.30	<p>Maurizio Botta The first molecule interacting with a host protein for the inhibition of multiple viruses</p>
8.00	Dinner offered by Emory

13 June, Tuesday	
9.00 am	Emory Classes at Refugio
14 June, Wednesday – A cultural field trip organized by After’s Cool	
8.30 am	Departure from Porta Romana
9.50	Arrival to Chiusdino
10.00	Visit to the Civic Museum of Chiusdino
11.00	Guided trekking to San Galgano Abbey (6 Km)
1.00 pm	Lunch at Casale San Galgano with traditional Tuscan Food
2.45	Guided visit to the San Galgano Abbey and the Chapel (Eremo di Montassiepi)... <i>The sword in the Stone...</i>
4.00	Departure to Sovicille
4.30	Conference at the After’s Cool The Origin of Chemistry: History and Alchemy
6.00	Departure to Siena
15 June, Thursday	
9.00 am	Emory Classes at Refugio
16 June, Friday	
9.00 am	Emory Classes at Refugio
17 June, Saturday	
	Free Day in Siena
18 June, Sunday	
	Free Day in Siena
19 June, Monday	
9.00 am	Emory Classes at Refugio
20 June, Tuesday – Day at San Miniato (Room #8)	
9.30-10.30 am	Unisi Lecture Session Andrea Atrei Magnetic hydrogels: from biomedical to environmental applications
10.30-11.30	Enrico Tavarnelli The depositional and tectonic history of ridges and basins of Southern Tuscany: geological controls on the quality of wines and food produced in Val d’Orcia and in the Chianti mts
11.30-12.30	Lia Millucci The story of a rare genetic disease: Alkaptonuria
12.30	Lunch time at San Miniato Mensa
2.30-5.30 pm	Parallel Unisi Laboratory Sessions Gabriella Tamasi and Alessio Pardini. Visit to Toscana Life Sciences Foundation (Laura Salvini) Chemical characterization of nutraceuticals in vegetable products and by-products: green tomatoes and tomato leaves. HPLC-MS application

	<p>Ottavia Spiga and Andrea Bernini A structural account on the amyloidogenic process of the atrial natriuretic peptide: a multi technique approach using nuclear magnetic resonance, electron microscopy and bioinformatics</p> <p>Marco Consumi ToF-SIMS analysis for food chemistry</p>
21 June, Wednesday	
9.00 am	Emory Classes at Refugio
22 June, Thursday FIELD-TRIP TO ISVEA AND TO SAN GIMIGNANO	
9.00 am	Departure from Porta Romana
9.40 10.00	Arrival at ISVEA Srl (laboratory for enological and food analyses) Guided visit to chemical and microbiological laboratories
11.30	Departure to San Gimignano
12.00	Arrival at Fattoria Sovestro in Poggio, and visit to the Vineyards and Cellars
13.00	Lunch at Fattoria Sovestro in Poggio
2.30 pm	Visit to San Gimignano, the town and main historical places
5.00 pm	Departure to Siena
23 June, Friday	
9.00 am	Emory Classes at Refugio
3.00 pm	Massimo Nepi Botanical Museum of the University of Siena: Conservation, Education and Research
24 June, Saturday	
	Free day
25 June, Sunday	
	Free day
26 June, Monday	
9.0 am	Emory Classes at Refugio
3.00 pm	Visit to a Contrada Museum, Church, ... Contrada....
27 June, Tuesday- Day at San Miniato (Room #8)	
9.30-10.30 am	Unisi Lecture Session Sonia Carmignani Consumer protection
10.30-11.30	Luisa Galgani The sea-surface microlayer: biogenic composition in a changing ocean
11.30-12.30	Rita Vignani Molecular authentication of food and wine

12.30	Lunch time at San Miniato Mensa
2.30-5.30 pm	Parallel Unisi Laboratory Sessions Daniela Valensin NMR Applications for Food Chemistry Vanessa Volpi & Alessandro Donati HH-XRF of silver coins and archaeological finds from the "Colline Metallifere district" (South Tuscany) Giulia Bernardini Biochemical alkaline phosphatase assay
28 June, Wednesday	
9.00 am	Emory Classes at Refugio
29 June, Thursday	
9.00 am	Emory Classes at Refugio
12.00	Horse lottery in Piazza del Campo
30 June, Friday	
9.00 am	Emory Classes at Refugio
12.00	Second and final Evaluation, forms filling for Emory Students
01 July, Saturday	
7.00 pm	Horse trials in Piazza del Campo
8.30	Eve Palio Dinner in a Contrada
02 July, Sunday - Palio Day	
07.00 am	Blessing Mass celebrated by Archbishop in Piazza del Campo for Fantino (Jockey)
02.00 pm	Attending to the horse blessing in a Contrada
03.00	Attending to Contradas blessing from the Archbishop at Duomo
04.30	Piazza del Campo ...waiting for Palio Race
... ..	Palio Race
03 July, Monday	
	Free day
12.00	Meeting of Evaluation Committee of Unisi and Emory Teachers Conclusions, Remarks and Perspectives.
04 July, Tuesday	
	Check-out