

PERSONAL INFORMATION

Rino Ragno

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💬 Skype contact: [rino.ragno](https://www.skype.com/people/rino.ragno)

Sex Male | Date of birth 07/06/1965 | Nationality Italian

POSITION

Associate Professor

WORK EXPERIENCE

December 2010 - Present

Associate Professor

Dept. Drug Chemistry and Technology - Sapienza University of Rome (Piazzale Aldo Moro, 5 00185 Roma – www.uniroma1.it)

- Teacher of Medicinal Chemistry courses at Bachelor, Master and PhD Degree Level Sapienza University and Tor Vergata University
- Component of the Pharmaceutical Science PhD Program Committee
- Component of the Pharmacy and Medicine Web Committee
- Vice-President of Sapienza University Editorial Web Committee
- Reference for Sapienza MOOC activities
- Instructor of Karate at Sapienza Sport University Center (CUS)

March 2017

Business or sector Medicinal Chemistry (CHIM08)

Enabled to Full Professorship for Medicinal Chemistry Research and Teaching.

ASN results 2016-2018. Academic Recruitment Field: Medicinal, Toxicological and Nutritional Chemistry and Applied Technologies (03/D1), Academic Discipline: Pharmaceutical Chemistry CHIM/08

May 2016 - Present

President of Alchemical Dynamics a University Start Up

www.alchemicaldynamics.com

November 2000 – December 2010

Assistant Professor

Dept. Drug Chemistry and Technology - Sapienza University of Rome (Piazzale Aldo Moro, 5 00185 Roma – www.uniroma1.it)

October 1990 – November 2000

Assistant Professor

Dept. Drug Chemistry and Technology - Sapienza University of Rome (Piazzale Aldo Moro, 5 00185 Roma – www.uniroma1.it)

March 1996 – March 1998

Post-Doc

Center for Molecular Design - Washington University of St Louis - directed by prof. Garland R. Marshall.

January 1999 -

Rome Center for Molecular Design Director

Dept. Drug Chemistry and Technology - Sapienza University of Rome (Piazzale Aldo Moro, 5 00185 Roma – www.uniroma1.it)

Sep 2009, Sep 2011, Sep 2014

Visiting Professor

Laboratoire d'Ingénierie Moléculaire et Biochimie Pharmacologique diretto dal Professeur Gilbert KIRSCH – Ex Université Paul Verlaine Metz - UMR CNRS 7565 SRSMC Université de Lorraine (France)

EDUCATION AND TRAINING

Nov 1990 – Feb 1992

Master Degree in Pharmacy

Master

Sapienza University of Rome (Piazzale Aldo Moro, 5 00185 Roma – www.uniroma1.it)

- Experimental Thesis in Synthesis of antifungal compounds

Pharmacist State Abilitation

Master

Sapienza University of Rome (Piazzale Aldo Moro, 5 00185 Roma – www.uniroma1.it)

Master Degree in Medicinal Chemistry

Bachelor + Master

Sapienza University of Rome (Piazzale Aldo Moro, 5 00185 Roma – www.uniroma1.it)

- Experimental Thesis in Synthesis of antiviral compounds

Chemistry high School

High School

ITIS GL Bernini Roma

PERSONAL SKILLS

Mother tongue(s)

Italian

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience as teacher at University and several International Congresses

Organisational / managerial skills

- Leadership (currently responsible for a team of more than 10 people)

Job-related skills

- Good command of quality control processes (currently responsible of a computational lab)

Computer skills

- Good command of Microsoft Office™ tools
- MS Windows Operating System
- MacOSX Operating System
- Linux Operating System
- HTML, C, bash, python programmer
- Web Master (Drupal, Django, Joomla!)

Other skills

- Medicinal Chemist
- Drug Design
- Molecular Modeling
- E-learning (Moodle, Coursera, MOOC)

Driving licence

- A + B + C

ADDITIONAL INFORMATION

Publications
2007-2017

- | N | References |
|----|--|
| 1 | RINO RAGNO , ANTONIO COLUCCIA, GIUSEPPE LA REGINA, ROMANO SILVESTRI. Indolyl aryl sulphones as HIV-1 reverse transcriptase inhibitors: docking and 3-D QSAR studies. <i>Expert Opinion in Drug Discovery</i> , 2007 ; 2, 87-114. |
| 2 | RINO RAGNO , SILVIA SIMEONI, SABRINA CASTELLANO, CATERINA VICIDOMINI, ANTONELLO MAI, ANNA TRAMONTANO, CLAUDIA BONACCINI, PATRICK TROJER, D INGO BAUER, GERALD BROSCH, AND GIANLUCA SBARDELLA. Small Molecule Inhibitors of Histone Arginine Methyltransferases: Homology Modeling, Molecular Docking, Binding Mode Analysis and Biological Evaluations <i>J. Med. Chem</i> 2007 ; 50(6); 1241 - 1253 |
| 3 | ANTONELLO MAI, SERGIO VALENTE, DONGHANG CHENG, ANDREA PERRONE, RINO RAGNO , SILVIA SIMEONI, GIANLUCA SBARDELLA, GERALD BROSCH, AND MARK T. BEDFORD. Synthesis and Biological Validation of Novel Synthetic Histone/Protein Methyltransferase Inhibitors . <i>ChemMedChem</i> , 2007 , 2(7), 987-991 |
| 4 | MAI ANTONELLO; ARTICO MARINO; ROTILI DANTE; TARANTINO DOMENICO; CLOTET-CODINA IMMA; ARMAND-UGON MERCEDES RAGNO , RINO ; SIMEONI SILVIA; SBARDELLA GIANLUCA; NAWROZKIJ MAXIM B.; SAMUELE ALBERTA; MAGA GIOVANNI; ESTE JOSE A. Synthesis and Biological Properties of Novel 2-Aminopyrimidin-4(3H)-ones Highly Potent against HIV-1 Mutant Strains. <i>Journal of Medicinal Chemistry</i> , 2007 , 50(22), 5412-5424 |
| 5 | RINO RAGNO , SILVIA SIMEONI, DANTE ROTILI, ANTONELLA CAROLI, GIORGIA BOTTA, GERALD BROSCH, SILVIO MASSA, AND ANTONELLO MAI. Class II-Selective Histone Deacetylase Inhibitors. Part 2. Alignment-Independent GRIND 3-D QSAR, Homology and Docking Studies. <i>European Journal of Medicinal Chemistry</i> , 2008 , 43(3), 621-632 |
| 6 | Nawrozki, Maxim B.; Rotili, Dante; Tarantino, Domenico; Botta, Giorgia; Eremiychuk, Alexandre S.; Musmuca, Ira; Ragno, Rino ; Samuele, Alberta; Zanol, Samantha; Armand-Ugon, Mercedes; Clotet-Codina, Imma; Novakov, Ivan A.; Orlinson, Boris S.; Maga, Giovanni; Este, Jose A.; Artico, Marino; Mai, Antonello. 5-Alkyl-6-benzyl-2-(2-oxo-2-phenylethylsulfanyl)pyrimidin-4(3H)-ones, a Series of Anti-HIV-1 Agents of the Dihydro-alkoxy-benzyl-oxopyrimidine Family with Peculiar Structure-Activity Relationship Profile . <i>Journal of Medicinal Chemistry</i> , 2008 ; 51(15); 4641-4652 |
| 7 | Sabrina Castellano, Giorgio Stefancich, Rino Ragno , Katarzyna Schewe, Marisabella Santoriello, Antonia Caroli, Rolf W. Hartmann, Gianluca Sbardella. CYP19 (aromatase): Exploring the scaffold flexibility for novel selective inhibitors. <i>Bioorganic & Medicinal Chemistry</i> , 2008 , 16 (18), 8349-58 |
| 8 | Pietro Laneve, Ubaldo Gioia, Rino Ragno , Fabio Altieri, Carmen Di Franco, Tiziana Santini, Massimo Arceci, Irene Bozzoni, and Elisa Caffarelli. The tumor marker human placental protein 11 is an endoribonuclease. <i>J. Biol. Chem.</i> 2008 , 283(50): 34712-34719 |
| 9 | R. Ragno , S. Sivric, G. Sartorelli, A. Serilli, E. Vavala, L. Angiolella. In vitro activity of essential oil of <i>Myrtus communis</i> L. against <i>Candida albicans</i> . <i>International Journal of Essential Oil Therapeutics</i> (2008) 2, 156-157 |
| 10 | Antonello Mai, Sergio Valente, Angela Nebbioso, Silvia Simeoni, Rino Ragno , Silvio Massa, Gerald Brosch, Floriana De Bellis, Fabio Manzo and Lucia Altucci. New pyrrole-based histone deacetylase inhibitors: binding mode, enzyme- and cell-based investigations. <i>The International Journal of Biochemistry & Cell Biology</i> , 2009 , 41 (1), 235-247 |
| 11 | Ira Musmuca, Silvia Simeoni, Antonia Caroli, and Rino Ragno . Small-Molecule Interferon Inducers. Toward the Comprehension of the Molecular Determinants through Ligand-Based Approaches. <i>J. Chem. Inf. Model.</i> , 2009 , 49, 1777-86, DOI: 10.1021/ci900065a |
| 12 | Elisabetta Vavala, Rino Ragno , Silvia Sivric, Gianni Sartorelli, Antonello Filippi, Anna Teresa Palamara, Letizia Angiolella. Antimycotic activity of <i>Achillea ageratium</i> L essential oil. <i>International Journal of Essential Oil Therapeutics</i> (2009) 3, 1-5, ISSN:1961-4209 |

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- 13 Sabrina Castellano, Ciro Milite, **Rino Ragno**, Silvia Simeoni, Antonello Mai, Ettore Novellino, Ingo Bauer, Gerald Brosch, Astrid Spannhoff, Donghang Cheng, Mark T. Bedford and Gianluca Sbardella. Design, Synthesis and Biological Evaluation of Carboxy- Analogues of Arginine Methyltransferase Inhibitor 1 (AMI-1). *ChemMedChem*, **2010**, 5, 398-414
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- 14 Ira Musmuca, Antonia Caroli, Antonello Mai, Neerja Kaushik-Basu, Payal Arora and **Rino Ragno***. Combining 3-D QSAR with Ligand Based and Structure Based Alignment Procedures for in Silico Screening of New Hepatitis C Virus NS5B Polymerase Inhibitors. *J. Chem. Inf. Model.*, **2010**, 50(4), 662-676
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- 15 Letizia Angiolella, Elisabetta Vavala, Silvia Sivric, D'Auria Felicia Diodata, **Rino Ragno**. In vitro activity of essential oil of *Mentha suaveolens*. against *Cryptococcus neoformans*, and dermatophytes. *International Journal of Essential Oil Therapeutics* (**2010**), 4(1-2), 35-36.
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- 16 Sergio Valente, Maria Tardugno, Mariarosaria Conte, Roberto Cirilli, Andrea Perrone, **Rino Ragno**, Silvia Simeoni, Silvio Massa, Angela Nebbioso, Marco Miceli,[b] Gianluigi Franci, Gerald Brosch, Lucia Altucci, and Antonello Mai. Novel Cinnamyl Hydroxyamides and 2-Aminoanilides as Histone Deacetylase Inhibitors: Apoptotic Induction and Cytodifferentiation Activity. *ChemMedChem*, **2011**, 6(4), 698-712
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- 17 Pepi, Federico; Mazzei, Franco; Frascioni, Marco; Favero, Gabriele; Giacomello, Pierluigi; Tata, Alessandra; Garzoli, Stefania; Di Fusco, Massimo; D'Annibale, Andrea; **Ragno, Rino**; Patsilinakos, Alexandros; Cannistraro, Salvatore; Baldacchini, Chiara. Chemically modified multi-walled carbon nanotubes electrodes with ferrocene derivatives through reactive landing. *The Journal of Physical Chemistry* (**2011**), 115(11), 4863-4871
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- 18 Nocca, G.; **Ragno, R.**; Carbone, V.; Martorana, G. E.; Rossetti, D. V.; Gambarini, G.; Giardina, B.; Lupi, A. Identification of glutathione-methacrylates adducts in gingival fibroblasts and erythrocytes by HPLC-MS and capillary electrophoresis. *Dental Materials* (**2011**), 27:e87-98
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- 19 Pietrella D., Angiolella L., Vavala E., Rachini A., Mondello F., **Ragno R.**, Bistoni F., Vecchiarelli A. Beneficial effect of *Mentha suaveolens* essential oil in the treatment of vaginal candidiasis assessed by real-time monitoring of infection. *BMC complementary and alternative medicine* (**2011**), 11, 18
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- 20 **Ragno R.**, Gioia U, Laneve P, Bozzoni I, Mai A, Caffarelli E. Identification of Small-Molecule Inhibitors of the XendoU Endoribonucleases Family. *ChemMedChem*. **2011** Oct 4;6(10):1797-805. doi: 10.1002/cmdc.201100281. Epub 2011 Jul 29.
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- 21 Daniel Brian Nichols, Guy Fournet, Gurukumar K.R., Amartya Basu, Jin-Ching Lee, Naoya Sakamoto, Frank Kozielski, Ira Musmuca, Benoît Joseph,* **Rino Ragno**,* Neerja Kaushik-Basu*. Inhibition of Hepatitis C Virus NS5B Polymerase by S-Trityl-LCysteine Derivatives. *Eur. J. Med Chem.* **2012**. 49C, 191-9.
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- 22 Dante Rotili, Alberta Samuele, Domenico Tarantino, **Rino Ragno**, Ira Musmuca, Flavio Ballante, Giorgia Botta, Ludovica Morera, Marco Pierini, Roberto Cirilli, Maxim B. Nawrozkij, Emmanuel Gonzalez, Bonaventura Clotet, Marino Artico, José A. Esté, Giovanni Maga, and Antonello Mai. 2-(Alkyl/Aryl)Amino-6-Benzylpyrimidin-4(3H)-ones as Inhibitors of Wild Type and Mutant HIV-1: Enantioselectivity Studies. *Journal of Medicinal Chemistry*, **2012**., 55 (7), 3558-3562
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- 23 Flavio Ballante, Ira Musmuca, Garland R. Marshall and **Rino Ragno***. Comprehensive Models of Wild-Type and Mutant HIV-1 Reverse Transcriptases. *Journal of Computer-Aided Molecular Design*. **2012**. 26:907-19.
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- 24 Flavio Ballante and **Rino Ragno***. 3-D QSAutogrid/R: an alternative procedure to build 3-D QSAR models. Methodologies and applications. *J. Chem. Inf. Model.*, **2012**, 52:1674-85
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- 25 Laura Silvestri, Flavio Ballante, Antonello Mai, Garland R. Marshall and **Rino Ragno***. Histone Deacetylase Inhibitors: Structure-Based Modeling and Isoform-Selectivity Prediction. *J. Chem. Inf. Model.*, **2012**; 52:2215-35.
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- 26 Simona Piccolelli, Andrina Ricci, Federico Pepi, Alexandros Patsilinakos, **Rino Ragno**, Stefania Garzoli and Pierluigi Giacomello. Gas-phase basicity of 2-furaldehyde. *J. Mass Spectrom.* **2012**, 47, 1488–1494.
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- 27 Giorgio Ortar, Enrico Morera, Luciano De Petrocellis, Alessia Ligresti, Aniello Schiano Moriello, Ludovica Morera, Marianna Nalli, **Rino Ragno**, Adele Pirolli, Vincenzo Di Marzo. Biaryl tetrazolyl ureas inhibitors of endocannabinoid metabolism: modulation at the N-portion and distal phenyl ring. *European Journal of Medicinal Chemistry* 63 (2013) 118-132
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- 28 E. Perspicace, V. Jouan-Hureau, **R. Ragno***, F. Ballante, S. Sartini, C. La Motta, F. Da Settimo, B. Chen, G. Kirsch, S. Schneider, B. Faivre, S. Hesse, Design, synthesis and biological evaluation of new classes of thieno[3,2-d]pyrimidinone and thieno[1,2,3]triazine as inhibitor of vascular endothelial growth factor receptor-2 (VEGFR-2), *European Journal of Medicinal Chemistry*. (2013), doi: 10.1016/j.ejmech.2013.03.022, 63, 765–781
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- 29 Laura Friggeri, Flavio Ballante, **Rino Ragno***, Ira Musmuca, Daniela De Vita, Fabrizio Manetti, Mariangela Biava, Luigi Scipione, Roberto Di Santo, Roberta Costi, Marta Feroci and Silvano Tortorella. Pharmacophore Assessment Through 3-D QSAR:evaluation of the predictive ability on new derivatives by the application on a serie of antituberculara gents. DOI: 10.1021/ci400132q. *J. Chem. Inf. Model.*, (2013), 53 (6), pp 1463–1474
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- 30 Livia Civitelli; Simona Panella; Maria Elena Marcocci; Alberto De Petris; Stefania Garzoli; Federico Pepi; Elisabetta Vavala; **Rino Ragno**; Lucia Nencioni; Anna Teresa Palamara; Letizia Angiolella. In vitro inhibition of herpes simplex virus type 1 replication by *Mentha suaveolens* essential oil and its main component piperitenone oxide. *Phytomedicine* (2014). In Press, doi:10.1016/j.phymed.2014.01.013
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- 31 Maria Chatzopoulou, Alexandros Patsilinafos, Theodosia Vallianatou, Marta Soltesova Prnova, Simon Žakelj, **Rino Ragno**, Milan Stefek, Albin Kristl, Anna Tsantili-Kakoulidou, and Vassilis J. Demopoulos . Decreasing acidity in a series of aldose reductase inhibitors: 2-fluoro-4-(1H-pyrrol- 1-yl)phenol as a scaffold for improved membrane permeation *Biorganic Medicinal Chemistry* (2014), Volume 22, Issue 7, 1 April 2014, Pages 2194–2207
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- 32 Flavio Ballante, Antonia Caroli, Richard B. Wickersham III and **Rino Ragno**. Hsp90 Inhibitors (I). Definition of 3-D QSAutogrid/R Models as a Tool for Virtual Screening, *J. Chem. Inf. Model.*, (2014), 54 (3), pp 956–969. doi: 10.1021/ci400759t
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- 33 Antonia Caroli, Flavio Ballante, Richard B. Wickersham III, Federico Corelli and **Rino Ragno**. Hsp90 Inhibitors (II). Combining ligand-based and structure-based approaches for Virtual Screening application. *J. Chem. Inf. Model.*, (2014). 54 (3), pp 970–977. doi: 10.1021/ci400760a
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- 34 Annarita Stringaro, Elisabetta Vavala, Marisa Colone, Federico Pepi, Giuseppina Mignogna, Stefania Garzoli, Serena Cecchetti, **Rino Ragno**, and Letizia Angiolella. Effects of *Mentha suaveolens* Essential Oil Alone or in Combination with Other Drugs in *Candida albicans*, *Evidence-Based Complementary and Alternative Medicine*, vol. 2014, Article ID 125904, 9 pages, 2014. doi:10.1155/2014/125904
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- 35 Rotili D, Tarantino D, Nawrozkij MB, Babushkin AS, Botta G, Marrocco B, Cirilli R, Menta S, Badia R, Crespan E, Ballante F, **Ragno R**, Esté JA, Maga G, Mai A. . Exploring the role of 2-chloro-6-fluoro substitution in 2-alkylthio-6-benzyl-5-alkylpyrimidin-4(3H)-ones: effects in HIV-1-infected cells and in HIV-1 reverse transcriptase enzymes. *Journal of Medicinal Chemistry*, (2014) vol. 57, p. 5212-5225, ISSN: 0022-2623, doi: 10.1021/jm500284x
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- 36 Rosa Sessa, Marisa Di Pietro, Fiorenzo De Santis, Simone Filardo, **Rino Ragno**, and Letizia Angiolella, “Effects of *Mentha suaveolens* Essential Oil on *Chlamydia trachomatis*,” *BioMed Research International*, vol. 2015, Article ID 508071, 7 pages, 2015. doi:10.1155/2015/508071
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- 37 S. Consalvi, S. Alfonso, A. Di Capua, G. Poce, A. Pirolli, M. Sabatino, **R. Ragno**, M. Anzini, S. Sartini, C. La Motta, L. Di Cesare Mannelli, C. Ghelardini, M. Biava. Synthesis, biological evaluation and docking analysis of a new series of methylsulfonyl and sulfamoyl acetamides and ethyl acetates as potent COX-2 inhibitors. *Biorganic Medicinal Chemistry* (2015). Feb 15;23(4):810-20. doi: 10.1016/j.bmc.2014.12.041. Epub 2014 Dec 26
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- 38 **Ragno, Rino**; Marshall, Garland R.; Ballante, Flavio. Three-dimensional structure-based modeling predicting target selectivity in drug design. *PCT Int. Appl.* (2015), WO 2015002860 A1 20150108. Language: English, Database: CAPLUS
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- 39 Alberto De Petris, Maria Elisa Crestoni, Adele Pirolli, Carme Rovira, Javier Iglesias-Fernández, Barbara Chiavarino, **Rino Ragno**^{*}, and Simonetta Fornarini^{**}. Binding of azole drugs to heme: A combined MS/MS and computational approach. *Polyhedron* (2015) doi: 10.1016/j.poly.2015.02.011
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- 40 Elisabetta Vavala, Claudio Passariello, Federico Pepi, Marisa Colone, Stefania Garzoli, **Rino Ragno**, Adele Pirolli, Annarita Stringaro, Letizia Angiolella. Antibacterial activity of essential oils mixture against PSA. *Natural Product Research.* (2015). DOI:10.1080/14786419.2015.1022543
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- 41 Bozovic, Mijat; Pirolli, Adele; **Ragno, Rino**. Mentha suaveolens Ehrh. (Lamiaceae) essential oil and its main constituent piperitenone oxide: biological activities and chemistry. *Molecules* (2015), 20(5), 8605-8633
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- 42 Garzoli, S., Pirolli, A., Vavala, E., Di Sotto, A., Sartorelli, G., Božović, M., Angiolella, L., Mazzanti, G., Pepi, F., **Ragno, R.** Multidisciplinary approach to determine the optimal time and period for extracting the essential oil from mentha suaveolens ehrh. *Molecules* (2015), 20 (6), 9640-9655
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- 43 **Ragno, R.**, Ballante, F., Pirolli, A., Wickersham, R.B., Patsilnakos, A., Hesse, S, Perspicace, E. Kirsch, G. Vascular endothelial growth factor receptor-2 (VEGFR-2) inhibitors: Development and validation of predictive 3-D QSAR models through extensive ligand- and structure-based approaches. *Journal of Computer-Aided Molecular Design* (2015), 29 (8), 757-776
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- 44 Consalvi, S.; Poce, G.; **Ragno, R.**; Sabatino, M.; La Motta, C.; Sartini, S.; Calderone, V.; Martelli, A.; Ghelardini, C.; Di Cesare Mannelli, L.; Biava, M., A Series of COX-2 Inhibitors Endowed with NO-Releasing Properties: Synthesis, Biological Evaluation, and Docking Analysis. *ChemMedChem* 2016, 11, 1804-11
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- 45 Coluccia, A.; Passacantilli, S.; Famiglino, V.; Sabatino, M.; Patsilnakos, A.; **Ragno, R.**; Mazzoccoli, C.; Sisinni, L.; Okuno, A.; Takikawa, O.; Silvestri, R.; La Regina, G., New Inhibitors of Indoleamine 2,3-Dioxygenase 1: Molecular Modeling Studies, Synthesis, and Biological Evaluation. *J Med Chem* 2016, 59, 9760-9773.
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- 46 Bozovic, M.; Garzoli, S.; Sabatino, M.; Pepi, F.; Baldisserotto, A.; Andreotti, E.; Romagnoli, C.; Mai, A.; Manfredini, S.; **Ragno, R.**, Essential Oil Extraction, Chemical Analysis and Anti-Candida Activity of Calamintha nepeta (L.) Savi subsp. glandulosa (Req.) Ball-New Approaches. *Molecules* 2017, 22
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- 47 Mollica, A.; Pelliccia, S.; Famiglino, V.; Stefanucci, A.; Macedonio, G.; Chiavaroli, A.; Orlando, G.; Brunetti, L.; Ferrante, C.; Pieretti, S.; Novellino, E.; Benyhe, S.; Zador, F.; Erdei, A.; Szucs, E.; Samavati, R.; Dvrorasko, S.; Tomboly, C.; **Ragno, R.**; Patsilnakos, A.; Silvestri, R., Exploring the first Rimonabant analog-opioid peptide hybrid compound, as bivalent ligand for CB1 and opioid receptors. *J Enzyme Inhib Med Chem* 2017, 32, 444-451.
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- 48 Nikolaos Papastavrou, Maria Chatzopoulou, Jana Ballekova, Mario Cappiello, Roberta Moschini, Francesco Balestri, Alexandros Patsilnakos, **Rino Ragno**, Milan Stefekb, Enhancing activity and selectivity in a series of pyrrol-1-yl-1-hydroxypyrazole-based aldose reductase inhibitors: The case of trifluoroacetylation. *European Journal of Medicinal Chemistry*, 2017, 130, 328-335
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- 49 Mijat Božović and **Rino Ragno** Calamintha nepeta (L.) Savi and its Main Essential Oil Constituent Pulegone: Biological Activities and Chemistry. *Molecules.* 2017 Feb 14;22(2). pii: E290. doi: 10.3390/molecules22020290
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- 50 Božović M, Navarra A, Garzoli S, Pepi F, & **Ragno R.** 24-Hour Steam Distillation Methodology For Essential Oils Extraction. *Natural Product Research.* (2017).
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- 51 Milan Mladenovic, Alexandros Patsilnakos, Adele Pirolli, Manuela Sabatino, and **Rino Ragno**. Understanding the Molecular Determinant of Reversible Human Monoamine Oxidase B Inhibitors Containing 2H-chromen-2-One Core: Structure-Based and Ligand-Based Derived 3-D QSAR Predictive Models. *J. Chem. Inf. Model.*, (2017). DOI: 10.1021/acs.jcim.6b00608. Publication Date (Web): March 14, 201
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- 52 Clemens Zwergel, PhD; Brigitte Czepukojc.; Emilie Evain-Bana, Zhanjie Xu, Giulia Stazi, Mattia Mori, Alexkandros Patsilnakos, Antonello Mai, Bruno Botta, **Rino Ragno**, Denyse Bagrel, Gilbert Kirsch, Peter Meiser, Claus Jacob, Mathias Montenarh, Sergio Valente. Novel Coumarin- and Quinolinone-Based Polycycles as Cell Division Cycle 25-A and -C Phosphatases Inhibitors Induce Proliferation Arrest and Apoptosis in Cancer Cells. *European Journal of Medicinal Chemistry*, **2017**
- 53 Antonella Di Sotto, Ph.D.; Silvia Di Giacomo. Lorena Abete; Mijat Božović ; Olga A Parisi; Fabio Barile ; Annabella Vitalone; Angelo A Izzo; **Rino Ragno**; Gabriela Mazzanti. Genotoxicity assessment of piperitenone oxide: an in vitro and in silico evaluation. *Food Microbiology*. **2017**
- 54 Diego Muñoz-Torrero, Arduino A. Mangoni, Catherine Guillou, Simona Collina, Jean Jacques Vanden Eynde, Jarkko Rautio, György M. Keserű, Christopher Hulme, Kelly Chibale, F. Javier Luque, Rafik Karaman, Michael Gütschow, Hong Liu and **Rino Ragno**. Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopes. *Molecules* **2017**, 22(5), 743
- 55 Stefania Garzoli, Mijat Božović, Anna Baldisserotto, Manuela Sabatino, Stefania Cesa, Federico Pepi, Chiara Beatrice Vicentini, Stefano Manfredini and **Rino Ragno**. Essential Oil Extraction, Chemical Analysis and Anti-Candida Activity of *Foeniculum vulgare* Miller – New Approaches. *Natural Product Research*. (**2017**)
- 56 Alessandro Venditti, Claudio Frezza, Giulia Salutari, Mirella di Cecco, Giampiero Ciaschetti, Alessandra Oliva, Massimiliano De Angelis, Vincenzo Vullo, Manuela Sabatino, Stefania Garzoli, Federico Pepi, **Rino Ragno**, Mauro Serafini, Armando d'Orlando Bianco. Composition of the Essential Oil of *Coristospermum cuneifolium* and Antimicrobial Activity Evaluation. *Planta Med Int Open* **2017**
- 57 Vanja Tadić, Alessandra Oliva, Mijat Božović, Alessia Cipolla, Massimiliano De Angelis, Vincenzo Vullo, Stefania Garzoli and **Rino Ragno**. Chemical and antimicrobial analyses of *Sideritis romana* L. subsp. *purpurea* (Tal. ex Benth.) Heywood, an endemic of the Western Balkan. *Molecules* **2017**
- 58 Stefania Garzoli , Mijat Božović, Anna Baldisserotto , Elisa Andreotti , Federico Pepi , Vanja Tadić , Stefano Manfredini and **Rino Ragno** . *Sideritis romana* L. subsp. *purpurea* (Tal. ex Benth.) Heywood, a new chemotype from Montenegro. *Natural Product Research*, **2017**. Accepted (07-Sep-2017)
- 59 Simone Carradori, Bruna Bizzari, Melissa D'Ascenzio, Celeste De Monte, Rossella Grande, Daniela Rivanera, Alessandra Zicari, Emanuela Mari, Manuela Sabatino, Alexandros Pasilnakos, **Rino Ragno**, Daniela Secci. Synthesis, Biological Evaluation and Quantitative Structure-Active Relationships of 1,3-thiazolidin-4-one Derivatives. A Promising Chemical Scaffold Endowed with High Antifungal Potency and Low Cytotoxicity. *European Journal of Medicinal Chemistry*, **2017**. Accepted (15-Sep-2017)

 Oral Presentations at Conferences
(Last 5 Years)

1. VIII European Workshop in Drug Design 2011. Siena 2011
 2. 21st National Meeting on Medicinal Chemistry NMMC 2012.
 3. XXIII National Meeting on Medicinal Chemistry. Salerno 2015
 4. IV Congresso Nazionale dell'Associazione Scientifica S.I.R.O.E. Roma, 25-26 novembre 2016
 5. Giornata Formativa SIROE sugli Oli Essenziali. Sapienza, Roma 8 settembre 2017
- 2005: Italian Division of Medicinal Chemistry Award for the Research in Medicinal Chemistry

Honours and awards

 Conferences Organization/Scientific
Committees

1. 22° National Meeting on Medicinal Chemistry. Roma 10-13 Settembre 2013.
2. Free Drupal Global Training Day - Venerdì 5 Febbraio 2016. Sapienza Università di Roma
3. Drupal Day 2017. 3-4 marzo 2017. Sapienza Università di Roma
4. Giornata Formativa SIROE sugli Oli Essenziali. Roma – Sapienza Università di Roma, 8 settembre 2017
5. Moodle MOOT Ita 2017. Roma – Sapienza Università di Roma, 28-30 settembre 2017

Textbooks or Book Chapters

1. Garland Marshall, Richard Head and Rino Ragno Affinity Prediction: The Sine Qua Non. Thermodynamics in Biology, Enrico di Cera, Editor, Oxford University Press. 87-111. 2000.
2. Rino Ragno. Tecniche di Screening per i nuovi farmaci. Alla ricerca del farmaco perduto, Carlo Tomino, Medi Service 2010, ISBN: 8890545925, ISBN-13: 9788890545924.
3. Ragno, R. Structure-Based Modeling of Histone Deacetylases Inhibitors. Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes. (2016) pp. 155-212. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84969722024&partnerID=40&md5=7e3020d6066e9a74a980146e42febd9f>

Patents

1. Mentha suaveolens essential oil and therapeutic activities thereof By Angiolella, Letizia; Ragno, Rino From Ital. (2013), IT 1398185 B1 20130214. | Language: Italian, Database: CAPLUS
2. Mentha suaveolens essential oil and therapeutic activities thereof By Angiolella, Letizia; Ragno, Rino From PCT Int. Appl. (2011), WO 2011092655 A2 20110804. | Language: English, Database: CAPLUS
3. Three-dimensional structure-based modeling predicting target selectivity in drug design By Ragno, Rino; Marshall, Garland R.; Ballante, Flavio From PCT Int. Appl. (2015), WO 2015002860 A1 20150108. | Language: English, Database: CAPLUS

Bibliometric Informations

1. Google Scholar (24/09/2017)
 - Number of Articles: 102
 - Number of Citations: 3119
 - H-Index: 32
2. Scopus (24/09/2017)
 - Total Papers 96
 - H-Index: 29
 - Total Citations: 2269
3. ISI Web (24/09/2017)
 - Total Papers 99
 - H-Index: 28
 - Total Citations: 2254

Journal Editing

1. Academic Editor for Molecules (<http://www.mdpi.com/journal/molecules>)
2. Academic Editor for the International Journal of Microbiology

Journal Reviewing

1. Reviewer for Medicinal Chemistry related journals
 - J. Med. Chem.
 - ACS Med. Chem. Lett.
 - European J. Med Chem.
 - Bioorg. Med. Chem.
 - Bioorg. Med. Chem. Lett.
 - Current Pharmaceutical Design
 - Medicinal Chemistry
 - Journal of Pharmacy and Pharmacology
 - Medicinal Research Reviews
 - European Journal of Pharmaceutical Sciences
 - Journal Of Enzyme Inhibition And Medicinal Chemistry
 - Medicinal Research Reviews
 - Cancers
 - LETTERS IN DRUG DESIGN & DISCOVERY
 - CheMedChem
 - Medicinal Chemistry Communications
2. Reviewer for Chemical Informatic related journals
 - Journal of Chemical Information and Modeling
 - Bioinformatics
 - Journal of Molecular Graphics and Modelling
 - Molecular Informatics
 - Journal of Molecular Modeling
 - Journal of Computational Chemistry
 - Journal of Computer-Aided Molecular Design
 - PROTEINS: Structure, Function, and Bioinformatics
 - Chemical Biology & Drug Design
3. Reviewer for Natural Product related journals
 - Natural Product Research
4. General Biological and Chemistry related Journals
 - Nucleic Acids Research
 - The Journal of Physical Chemistry
 - FEBS Journal
 - Journal of the Taiwan Institute of Chemical Engineers