

GUSTAVO PROVENSÌ - *CURRICULUM VITAE*

PERSONAL DATA

Birth: 08th October 1982

Citizenship: Brazilian and Italian

Professional Address: Viale G. Pieraccini, 6. CAP 50139. Firenze, FI, Italia.

E-mail: gustavo.provensi@unifi.it



EDUCATION

2011 - 2014 Ph.D. in Pharmacology, Toxicology and Innovative Therapies

University of Florence, Italy.

Differential modulation of the brain histaminergic system: effects on cognition and feeding behaviour

Advisors: Prof. Patrizio Blandina and Dr. Beatrice Passani

2005-2007 M.Sc. in Pharmaceutical Sciences

Universidade Federal do Rio Grande do Sul, Brazil.

Anti-anxiety studies on Passiflora alata Curtis (PASSIFLORACEAE)

Advisors: Prof. Stela Maris Kuze Rates and Prof. Grace Gosmann

2000-2004 Graduation in Pharmacy

School of Pharmacy, Universidade Federal do Rio Grande do Sul, Brazil.

RESEARCH EXPERIENCES

02/2014 - Post Doctoral Fellow

Department of Neurosciences, Psychology, Drug Research and Child Health (NEUROFARBA) – Pharmacology and Toxicology Session, University of Florence (UNIFI), Florence, Italy

Project: *The role of the brain carbonic anhydrases in mnemonic processes.*

Supervisors: Dr. Claudiu Supuran and Prof. Patrizio Blandina

02/2011-12/2013 Ph.D Student

Department of Neurosciences, Psychology, Drug Research and Child Health (NEUROFARBA) – Pharmacology and Toxicology Session, University of Florence (UNIFI), Florence, Italy

Project: *Heterogeneity of histaminergic neurons: involvement in feeding behaviour, emotionality and learning.*

Supervisor: Prof. Patrizio Blandina and Dr. Beatrice Passani

03/2010-02/2011 Post Laurea Bursary

Department of Preclinical and Clinical Pharmacology, University of Florence (UNIFI), Florence, Italy

Project: *Brain Histamine in the neurobiology of fear: new molecular targets to treat Post Traumatic Stress Disorder (PTSD)*

Supervisor: Prof. Patrizio Blandina

03/2006-06/2006 Research Stage - International Brain Research Organization – Latin America Regional Committee (IBRO-LARC) fellowship

Instituto de Química y Físicoquímica Biológicas, Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires (UBA), Buenos Aires, Argentina.

Project: *Investigation of anxiolytic activity of saponins and flavonoids from Passiflora alata Curtis (PASSIFLORACEAE)*

Supervisor: Prof. Mariel Marder

03/2005-04/2007 Master in Pharmaceutical Sciences

Department of Raw-material production, School of Pharmacy, Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre, Brazil.

Projects:

Bioguided assay of Passiflora alata and Passiflora edulis aiming anxiolytic compounds.

Supervisor: Prof. Stela Maris Kuze Rates

08/2000-02/2005 Undergraduate Research Collaboration

Department of Raw-material Production, School of Pharmacy, Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre, Brazil.

Projects:

Chemical Investigation on Passiflora alata.

Chemical Investigation on Quillaja brasiliensis.

Supervisors: Prof. Grace Gosman

Research Skills:

I have been working in Neuroscience research since 2005, along this time I was able to get some skills with several methodologies really important in this field. Some of the techniques/metodologies that I routinely use are listed below:

- Behavioural methods: forced swimming, tail suspension, inhibitory avoidance, object recognition, inhibitory avoidance, fear conditioning, open field, rota-rod, elevated plus-maze, hole-board, pentilene-tetrazole-induced seizures, writhing and hot-plate test, feeding behaviour paradigms.
- *In vivo* microdialysis (single and double probe, mice and rats, including stereotaxic surgery) coupled to analytical techniques based on HPLC for the determination of neurotransmitters, specially histamine and acetylcholine
- Imaging techniques: immunohistochemistry and immunofluorescence.
- *In vitro* binding assays to the GABA-benzodiazepine receptor complex: $^3\text{[H]}$ flunitrazepam and $^3\text{[H]}$ TBOB bindings.
- Cellular and Molecular Biology techniques: Western Blot and Polymerase Chain Reaction

Language Skills

Portuguese (mother language)

English: reading (excellent); writing and speaking (good)

Italian: reading and speaking (excellent); writing (good)

Spanish: reading (good); writing and speaking (intermediate)

TEACHING ACTIVITIES

02/2008-01/2010 Degree: Graduation

Lecturer in the “Pharmacognosy” and “Introduction to Pharmaceutical Sciences” courses at the School of Pharmacy, Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre, Brazil.

07/2008 Degree: Post-Graduation

Lecturer of the “Natural Products Pharmacology” course for the Clinical Phytotherapy Post-Graduation Program at DEC- Delta Educação Continuada, Bento Gonçalves, Brazil.

7/2008 Degree: Post-Graduation

Lecturer of the “Pharmacology” course for the Bucomaxilofacial Surgery Specialization Program at Faculdades Sarandi, Passo Fundo, Brazil.

UNDERGRADUATE STUDENTS SUPERVISION

PESCATORE Linda (2014) Il ruolo delle anidrasi carboniche cerebrali nei processi di memoria valutati mediante il test di riconoscimento degli oggetti nel topo. Corso di Laurea magistrale in Farmacia, Università degli Studi di Firenze.

LOMBARDI Giulia (2013) Ruolo del sistema istaminergico centrale nell'effeto anoressizzante del lipide Oleoiletanolamide: studi neuro anatomici. Corso di Laurea magistrale in Farmacia, Università degli Studi di Firenze.

BARDAZZI Silvia (2012) L'antagonista del recettore istaminergico H3 ABT-239 attiva regioni cerebrali del ratto coinvolte nell'apprendimento e nella memoria. Corso di Laurea magistrale in Farmacia, Università degli Studi di Firenze.

LANGELLA Giulia (2012) Il fattore di sazietà Oleoiletanolamide modula il sistema istaminergico centrale per inibire il comportamento alimentare. Corso di Laurea magistrale in Farmacia, Università degli Studi di Firenze.

BROGI Alice (2011) Gli effetti pro-cognitivi e neurochimici degli antagonisti del recettore H3 richiedono l'integrità del sistema istaminergico centrale. Corso di Laurea magistrale in Farmacia, Università degli Studi di Firenze.

BUSONI Viola (2011) Effetti neurochimici dell'antagonismo dell'autorecettore istaminergico H3 nel sistema nervoso centrale di ratto: implicazioni terapeutiche. Corso di Laurea magistrale in Farmacia, Università degli Studi di Firenze.

PRIZE

2012 YOUNG INVESTIGATOR AWARD from European Histamine Research Society (EHRS)

FELLOWSHIPS

2013 TRAVEL GRANT from Federation of European Neuroscience Societies, to attend the FENS Featured Regional Meeting Annual Meeting, held in Prague, Czech Republic, September 2013.

- 2013** TRAVEL GRANT received from European Histamine Research Society, to attend the 42nd Annual Meeting of the European Histamine Research Society, held in Lodz, Poland, May 2013.
- 2012** TRAVEL GRANT received from the European Behavioural Pharmacology Society to attend the Workshop on 'Eating Behaviour and Obesity' held in Lecce, Italy, September 2012.
- 2012** TRAVEL GRANT received from the International Brain Research Organization Central and Eastern European Regional Committee (IBRO-CEERC) to attend the FENS Forum of Neuroscience, held in Barcelona, Spain, July 2012.
- 2012** TRAVEL GRANT received from the European Cooperation in Science and Technology (COST Action BM0806) to attend the Training School on Histamine Bioinformatics, held in Innsbruck, Austria, July 2012.
- 2012** TRAVEL GRANT received from the ESK Assem Foundation to attend the 41st Annual Meeting of the European Histamine Research Society, held in Belfast, Northern Ireland, May 2012.
- 2006** IBRO-LARC SHORT STAY GRANT from the International Brain Research Organization – Latin America Regional Committee (IBRO-LARC) for the project *Investigation of anxiolytic activity of saponins and flavonoids from Passiflora alata Curtis (PASSIFLORACEAE)* to develop research activities presso University of Buenos Aires, Argentina, March-June 2006.

PUBLICATIONS

Papers in peer reviewed journals

MUNARI L, **PROVENSIS G**, PASSANI MB, GALEOTTI N, CASSANO T, BENETTI F, CORRADETTI R, BLANDINA P. Brain histamine is crucial for selective serotonin reuptake inhibitors behavioral and neurochemical effects. *Science*. Submitted.

PROVENSIS G, COCCURELLO R, UMEHARA H, MUNARI L, GIACOVAZZO G, GALEOTTI N, NOSI D, GAETANI S, MOLES A, BLANDINA P, PASSANI MB. Satiety factor oleylethanolamide recruits the brain histaminergic system to inhibit food intake. *Proceedings of the National Academy of Sciences*, 111(31):11527-32, 2014 (IF : 9.737)

This paper was selected to figure as “HIGHLIGHT FROM THE EDITION” in the Neuroscience section.

(available at <http://www.pnas.org/site/highlights/highlights.xhtml#histamine>)

MUSILLI C, DE SIENA G, MANNI ME, LOGLI A, LANDUCCI E, ZUCCHI R, SABA A, DONZELLI R, PASSANI MB, **PROVENSIS G**, RAIMONDI L. Histamine mediates behavioral and metabolic effects of 3-iodothyroacetic acid (TA1), an endogenous end product of thyroid hormone metabolism. *British Journal of Pharmacology*, 171(14):3476-84, 2014 (IF : 5.067)

MUNARI L*, **PROVENSIS G***, PASSANI MB, BLANDINA P. Selective brain region activation by histamine H(3) receptor antagonist/inverse agonist ABT-239 enhances acetylcholine and histamine release and increases c-Fos expression. *Neuropharmacology*, 70C:131-140, 2013. **equal contributors* (IF : 4.386)

BLANDINA P, MUNARI L, **PROVENSİ G**, PASSANI MB. Histamine neurons in the tuberomamillary nucleus: a whole center or distinct subpopulations? *Frontiers in Systems Neuroscience*, v. 6, p. 1-6, 2012.

GOSMANN G, **PROVENSİ G**, COMUNELLO LM, RATES SMK. Chemical studies and pharmacological activities of *Passiflora* L. species (Passifloraceae). *Brazilian Journal of Biosciences*, 9, 88-99, 2011.

BOEIRA JM, FENNER R, BETTI AH, **PROVENSİ G**, LACERDA LA, BARBOSA PR, GONZÁLEZ FH, CORRÊA AMR, DRIEMEIER D, DALL'ALBA MP, PEDROSO AP, GOSMANN G, SILVA J, RATES SMK. Toxicity and Genotoxicity evaluation of *Passiflora alata* Curtis (Passifloraceae). *Journal of Ethnopharmacology*, 128, 526-532, 2010. (IF : 3.322)

PROVENSİ G, NOËL F, LOPES DVS, FENNER R, BETTI AH, DE COSTA F, MORAIS EC, GOSMANN G, RATES SMK. Participation of GABA-benzodiazepine Receptor Complex in the Anxiolytic Effect of *Passiflora alata* Curtis (Passifloraceae). *Latin American Journal of Pharmacy*, 27(6) 846-851, 2008. (IF : 0.279)

FRÖDE TS, VARGAS A, GEREMIAS DS, **PROVENSİ G**, FORNARI PE, REGINATTO FH, GOSMANN G, SCHENKEL EP. *Passiflora alata* and *Passiflora edulis* spraydried aqueous extracts inhibit inflammation in mouse model of pleurisy. *Fitoterapia*, v.78, p.112 - 119, 2007. (IF : 2.139)

BIRK C, **PROVENSİ G**, REGINATTO FH, SCHENKEL EP, GOSMANN G. TLC fingerprints of flavonoids and saponins from *Passiflora* species. *Journal of Liquid Chromatography & Related Technologies*, v.28, p.2285 - 2291, 2005. (IF : 0.670)

KAUFFMANN C, MACHADO AM, FLECK JD, **PROVENSİ G**, PIRES VS, GUILLAUME D, SONNET P, REGINATTO FH, SCHENKEL EP, GOSMANN G. Constituents from leaves of *Quillaja brasiliensis*. *Natural Product Research*, v.18, n. 2, p.153 - 157, 2004. (IF : 1.031)

Works published in proceedings of conferences

Oral presentations

PROVENSİ G, MUNARI L, PASSANI MB, GALEOTTI N, CASSANO T, BENETTI F, CORRADETTI R, BLANDINA P. Neuronal histamine is essential for selective serotonin reuptake inhibitors (SSRI) effects. **Convegno Monotematico della Società Italiana di Farmacologia "Mood Disorders: from neurobiology to novel therapeutic strategies"** *Programme and Abstracts*, p.40, Modena, Italy, 2014.

PROVENSİ G. The satiety factor oleoylethanolamide recruits the brain histaminergic system to inhibit food intake. **Incontri scientifici di NEUROFARBA – Giornata Giovani Ricercatori**, Florence, Italy, December 2013.

PROVENSİ G, MUNARI L, PASSANI MB, BLANDINA P. ABT-239, an H3 receptor antagonist/inverse agonist, increases histamine release and c-FOS expression in brain regions involved in memory and cognition. **42nd Annual Meeting of the European Histamine Research Society**, *Programme and Abstracts*, p. 31, Łódź, Poland, 2013.

PROVENSİ G. The anorexiant effect of Oleoylethanolamide is modulated by neuronal histamine. **IV Annual Meeting of the PhD students from the University of Florence - PhD day⁴**, *Programme and Abstracts*, p. 26, Florence, Italy, May 2013.

PROVENSİ G, MUNARI L, BLANDINA P, GALEOTTI N, PASSANI MB. The anorexiant effect of Oleoylethanolamide is modulated by neuronal histamine. **41st Annual Meeting of the European Histamine Research Society**, *Inflammation Research*, v. 61. p. S62, Belfast, Northern Ireland, May 2012.

Posters

PROVENSİ G, PASSANI MB, BLANDINA P. PI3K-AKT-GSK3 β pathway activation is a requisite for acetylcholinesterase inhibitor- and H3R antagonist/inverse agonist-induced procognitive effect in the object recognition test. **9th FENS Forum of Neuroscience**,. *Programme*, p. 463, Milan, Italy, 2014.

PROVENSİ G, PASSANI MB, BLANDINA P. ABT-239 and donepezil require the integrity of the central histaminergic system to exert their behavioural and neurochemical effects. **43rd Annual Meeting of the European Histamine Research Society**, *Programme and Abstracts*, p. 74, Lyon, France, 2014.

FABBRI R, UMEHARA H, ROMANO A, GAETANI S, **PROVENSİ G, BLANDINA P, PASSANI MB.** Role of the central histaminergic system in the anorexiant effect of Oleoylethanolamide: a neurochemical study. **43rd Annual Meeting of the European Histamine Research Society**, *Programme and Abstracts*, p. 75, Lyon, France, 2014.

PROVENSİ G, MUNARI L, PASSANI MB, BLANDINA P. Blockade of histamine H3R reveals heterogeneity of histaminergic neurons: a multidisciplinary study. **FENS Featured Regional Meeting**, *Programme*, p.66, Prague, Czech Republic, September 2013.

UMEHARA H, PROVENSİ G, CANTO DE SOUZA L, FABBRI R, BLANDINA P, PASSANI MB. The hypophagic factor Oleoylethanolamide recruits hypothalamic histamine pathways to inhibit food intake. **42nd Annual Meeting of the European Histamine Research Society**, *Programme and Abstracts*, p. 36, Łódź, Poland, 2013.

PROVENSİ G, MUNARI L, GALEOTTI N, BLANDINA P, PASSANI MB. Interactions between neuronal histamine and oleoylethanolamide in the control of food intake: a behavioral and immunohistochemical study. **European Behavioural Pharmacology Society Workshop on 'Eating Behaviour and Obesity'**, *Programme*, p. 16, Lecce, Italy, 2012.

PROVENSİ G, MUNARI L, BLANDINA P, GALEOTTI N, PASSANI MB. Oleoylethanolamide and neuronal histamine interacts to regulate feeding behaviour. **8th FENS Forum of Neuroscience**,. *Programme*, p. 514, Barcelona, Spain, 2012

PROVENSİ G, MUNARI L, BLANDINA P, GALEOTTI N, PASSANI MB. The anorexiant effect of Oleoylethanolamide is modulated by neuronal histamine. **41st Annual Meeting of the European Histamine Research Society**, *Inflammation Research*, v. 61. p. S62, Belfast, Northern Ireland, 2012.

BLANDINA P, **PROVENSÍ G**, MUNARI L, GIOVANNINI MG, GARRISON T, KOENING JR, COWART M, BRIONI J, PASSANI MB. Lack of effects by ABT239, a histamine H3 receptor antagonist, in histamine-deficient animals. **41st Annual Meeting of the European Histamine Research Society, Inflammation Research**, v. 61. p. S61-S62, Belfast, Northern Ireland, 2012.

PROVENSÍ G, MUNARI L, PASSANI MB, GIOVANNINI MG, GARRISON T, COWART M, BRIONI J, BLANDINA P. ABT239, an H3 receptor antagonist, does not induce pro-cognitive effects nor increase cortical ACh release in rodents lacking neuronal histamine. **8th IBRO World Congress of Neuroscience**, Firenze, 2011

MUNARI L, **PROVENSÍ G**, PASSANI MB, GALEOTTI N, OHTSU H, BLANDINA P. Intact histamine transmission is required for selective serotonin reuptake inhibitors (SSRIs) to produce their effect in tails suspension test. **8th IBRO World Congress of Neuroscience**, Firenze, 2011.

PROVENSÍ G, MUNARI L, PASSANI MB, GIOVANNINI MG, COWART M, GARRISON T, BRIONI J, BLANDINA P. ABT239, a histamine H3 receptor antagonist, does not induce pro-cognitive effects nor increase cortical ACh release in histamine-deficient animals. **41st Annual Meeting of the Society for Neuroscience**, Washington DC, 2011.

PROVENSÍ G, MUNARI L, PASSANI MB, GALEOTTI N, OHTSU H, BLANDINA P. Histamine-deficient animals lack responses to selective serotonin reuptake inhibitors but not to selective noradrenaline reuptake inhibitor. **41st Annual Meeting of the Society for Neuroscience**, Washington DC, 2011.

PROVENSÍ G, FENNER R, COSTA F, MORAIS EC, WASOWSKI C, GOSMANN G, MARDER M, RATES SMK. Avaliação do efeito ansiolítico de uma fração de flavonóides purificada de *Passiflora alata* Curtis (PASSIFLORACEAE). **IV Oficina de Neurociências – Fronteiras da Investigação**, Resumos da Oficina. p. 78 – 79, Garibaldi, Brasil, 2006.

FENNER R, PROVENSÍ G, BETTI A, NEVES G, LACERDA LA, BARBOSA PR, GONZALEZ FH, CORREA AMR, DRIEMER D, DALL'ALBA MP, BOEIRA JM, KAPCZINSKI F, GOSMANN G, RATES SMK. Toxicity of *Passiflora alata* Curtis (PASSIFLORACEAE). **38º Congresso Brasileiro de Farmacologia e Terapêutica Experimental**, Ribeirão Preto, Brasil, 2006.

SOUZA CS, FENNER R, BETTI AH, PROVENSÍ G, GOSMANN G, RATES SMK. Efeito ansiogênico de *Passiflora alata* Curtis (PASSIFLORACEAE). **XVIII Salão de Iniciação Científica**, Resumos. p. 621 – 622, Porto Alegre, Brasil, 2006.

MORAIS EC, **PROVENSÍ G**, FENNER R, COSTA F, RATES SMK, GOSMANN G. Flavonóides e Saponinas em *Passiflora alata*: purificação e avaliação da atividade ansiolítica. **XVIII Salão de Iniciação Científica**, Resumos, p. 622, Porto Alegre, Brasil, 2006.

PROVENSÍ G, FENNER R, COSTA F, FERNANDEZ SP, LOSCALZO LM, MORAIS EC, SOUZA CS, WASOWSKI C, GOSMANN G, MARDER M, RATES SMK. Avaliação do efeito ansiolítico de uma fração de flavonóides purificada de *Passiflora alata* Curtis (PASSIFLORACEAE). **XIV Jornadas de Jovens Pesquisadores da AUGM**, Resumos, p. 426, Campinas, Brasil, 2006.

PROVENSÍ G, FENNER R, COSTA F, BETTI AH, MORAIS EC, SALABERRY C, GOSMANN G, RATES SMK. Phytochemical and Pharmacological studies in *Passiflora alata*. **V Reunião da Sociedade Latinoamericana de Fitoquímica**, Libro de Resúmenes, p.85, Montevideo, Uruguay, 2005.

GNOATTO SCB, VECCHIA LD, **PROVENSÍ G**, NASCIMENTO S, DASSONVILLE A, GUILLAUME D, GOSMANN G, SONNET P. Synthesis and antimalarial activity of triterpenoid derivatives from *Ilex*. **V Reunião da Sociedade Latinoamericana de Fitoquímica**, Libro de Resúmenes, p.181, Montevideo, Uruguay, 2005.

BETTI A, FENNER R, **PROVENSÍ G**, SOUZA CS, LACERDA A, GONZÁLEZ F, DRIEMER D, GOSMANN G, RATES SMK. Toxicidade Aguda e Subcrônica de um Extrato Seco Nebulizado de *Passiflora alata* curtis (PASSIFLORACEAE). **XVII Salão de Iniciação Científica**, Resumos, Porto Alegre, Brasil, 2005.

FRÖDE TS, VARGAS A, GEREMIAS DS, SCHENKEL EP, GOSMANN G, **PROVENSÍ G**, FORNARI PE, REGINATTO FH. Species of *Passiflora* inhibit markers of inflammation in a murine model **XIX Congress of Clinical Chemistry ACC Annual meeting**, Orlando, United States, 2005.

HECKLER APM, FENNER R, KLIEMAN M, NEVES G, MUNARI L, **PROVENSÍ G**, BETTI A, VIANA A, DO REGO JC, CONSTANTIN J, VON POSER G, RATES SMK. Avaliação da atividade antinociceptiva de *H. polyanthemun* Klotzsch ex-Reichardt e de *H. caprifoliatum* Cham & Scheldt (GUTTIFERAE). **XVI Salão de Iniciação Científica**, Livro de Resumos, p. 560, Porto Alegre, Brazil, 2004.

BETTI AH, **PROVENSÍ G**, FENNER R, KLIEMANN M, HECKLER APM, MUNARI L, FORNARI PE, GOSMANN G, RATES SMK. Investigação da atividade ansiolítica/sedativa de uma fração de flavonóides e uma fração de saponinas purificadas de *Passiflora alata* Dryander (PASSIFLORACEAE). **XVI Salão de Iniciação Científica**, Livro de Resumos, p. 560-561, Porto Alegre, Brazil, 2004

RATES SMK, **PROVENSÍ G**, DRESCH AP, MENDEZ A, RECHE SB, VARGAS CR, MONTANHA JA, GOSMAN G, GERMANI JC, STEPPE M, HEINECK I, CHAVES CG, LIMBERGER RP, ARIGONY AL, PEDERSEN R, VIEIRA S, SPALDING S, OPPE T, DALLA COSTA T. Avaliação da Iniciação Científica na Faculdade de Farmácia da UFRGS. **XII Jornadas de Jovens Pesquisadores da Associação de Universidades Grupo Montevideo**, Resumos, p. 7, Curitiba, Brazil, 2004.

FENNER R, **PROVENSÍ G**, KLIEMANN M, BETTI AH, HECKLER APM, MUNARI LM, FORNARI PE, GOSMANN G, RATES SMK. Investigação da atividade ansiolítica/sedativa de uma fração de flavonóides e uma fração de saponinas purificadas de *Passiflora alata* Dryander (PASSIFLORACEAE). **XII Jornadas de Jovens Pesquisadores da Associação de Universidades Grupo Montevideo**, Resumos, p. 94, Curitiba, Brazil, 2004.

FENNER R, KLIEMANN M, **PROVENSÍ G**, BETTI AH, MUNARI LM, FORNARI PE, GOSMANN G, RATES SMK. Estudo da toxicidade e atividade geral sobre o sistema nervoso central de *Passiflora alata* Dryander. **XI Simpósio Latino Americano de Farmacobotânica**, Resumos p. 43, Buenos Aires, Argentina, 2004

PROVENSÍ G, FENNER R, FORNARI PE, KLIEMANN M, RATES SMK, GOSMANN G. Avaliação do efeito de um Extrato Seco Nebulizado de *Passiflora alata* Dryander (PASSIFLORACEAE), em camundongos, no labirinto em cruz elevado. **XV Salão de Iniciação Científica**, Livro de Resumos,

p.635 – 636, Porto Alegre, Brasil, 2003.

FENNER R, **PROVENSÍ G**, FORNARI PE, KLIEMANN M, GOSMANN G, RATES SMK. Investigaç o da atividade ansiol tica de um extrato seco nebulizado de *Passiflora alata* Dryander (PASSIFLORACEAE). **XXIV Concurso Acad mico de Pesquisa Cient fica (CAPEC)**, Resumos, Porto Alegre, Brasil, 2003.

PROVENSÍ G, GNOATTO SCB, SCHENKEL EP, BASSANI VL. Determina o do Teor de Rutina em Folhas e Extratos Secos Nebulizados de *Ilex paraguariensis* (A. St. Hil.) **Reuni o da Sociedade Brasileira de Farmacognosia**, Livro de Resumos, p.38, Salvador, Brasil, 2003.

PROVENSÍ G, GNOATTO SCB, SCHENKEL EP, BASSANI VL. Determina o do Teor de Rutina em Solu es Extrativas e Extratos Secos Nebulizados de *Ilex paraguariensis* (A. St. Hil.). **XI Jornadas de J venes Investigadores de la Asociaci n de Universidades Grupo Montevideo**, Livro de Resumenes, p. 361, La Plata, Argentina, 2003.

PROVENSÍ G, GNOATTO SCB, SCHENKEL EP, REGINATTO FH, GOSMANN, G. Desenvolvimento de Metodologia Anal tica empregando CLAE na diferencia o qu mica de esp cies de *Passiflora*. **IX Congresso Catarinense de Farmac uticos e Bioqu micos**, Resumos, Florianopolis, Brasil, 2002.

PROVENSÍ G, BIRK, CD, GNOATTO SCB, SCHENKEL EP, REGINATTO FH, GOSMANN G. Desenvolvimento de metodologia anal tica empregando CLAE na diferencia o qu mica de esp cies de *Passiflora*. **XIV Sal o de Inicia o Cient fica**, Livro de Resumos, p. 646 – 647, Porto Alegre, Brasil, 2002.

PROVENSÍ G, BIRK CD, SCHENKEL EP, GOSMANN G. Separa o Cromatogr fica de Flavon ides e Saponinas em *Passiflora alata*. **XIII Sal o de Inicia o Cient fica**, Livro de Resumos, p.437 – 438, Porto Alegre, Brasil, 2002.

PROVENSÍ G, BIRK CD, SCHENKEL EP, GOSMANN G. Separa o Cromatogr fica de Flavon ides e Saponinas em *Passiflora alata*. **VIII Congresso Catarinense de Farmac uticos e Bioqu micos**, Caderno de Resumos, p.39, Florianopolis, Brasil, 2001.

PARTICIPATION IN NATIONAL AND INTERNATIONAL MEETINGS

- **9th FENS Forum of Neuroscience**, Milan, Italy, 2014.
- **43rd Annual Meeting of the European Histamine Research Society**, Lyon, France, 2014.
- **Convegno Monotematico della Societ  Italiana di Farmacologia “Mood Disorders: from neurobiology to novel therapeutic strategies”**, Modena, Italy, 2014.
- **FENS Featured Regional Meeting**, Prague, Czech Republic, September 2013.
- **42st Annual Meeting of the European Histamine Research Society**, Łodz, Poland, 2013.
- **IV Annual Meeting of the PhD students from the University of Florence - PhD day⁴**, Florence, Italy, May 2013.
- **41st Annual Meeting of the European Histamine Research Society**, Belfast, Northern Ireland, 2012
- **8th FENS Forum of Neuroscience**, Barcelona, Spain, 2012
- **Workshop on 'Eating Behaviour and Obesity', European Behavioural Pharmacology Society**, Lecce, Italy, 2012.

- **8th IBRO World Congress of Neuroscience**, Firenze, Italy, 2011.
- **41st Annual Meeting of the Society for Neuroscience**, Washington DC, United States, 2011.
- **IV Oficina de Neurociências – Fronteiras da Investigação**, Garibaldi, Brasil, 2006.
- **XII Escola de Verão em Química Farmacêutica e Medicinal**, Rio de Janeiro, Brazil, 2007.
- **38° Congresso Brasileiro de Farmacologia e Terapêutica Experimental**, Ribeirão Preto, Brazil, 2006.
- **V Reunião da Sociedade Latinoamericana de Fitoquímica “Prof. Emer. Patrick Moyna” & I Congresso de Fitoterápicos Del Mercosur**, Montevideo, Uruguay, 2005.
- **XII Jornadas de Jovens Pesquisadores da Associação de Universidades Grupo Montevideo (AUGM)**, Curitiba, Brazil, 2004.
- **XI Jornadas de Jóvenes Investigadores de la Asociación de Universidades Grupo Montevideo**, La Plata, Argentina, 2003.

CONTACTS FOR REFERENCES

Prof. Patrizio Blandina

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Prof. Maria Beatrice Passani

Neurofarba - Pharmacology and Toxicology
 Universita di Firenze, Italy
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Prof. Stela Maris Kuze Rates

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 University of Rio Grande do Sul, Brazil
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