

CURRICULUM VITAE

Dr. Zita Pongrácz, PhD

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ACADEMIC PREPARATION

Postdoctoral Associate, University of Pittsburgh, Department of Medicine, Division of Infectious Disease, 04/2004-

Concentrations: Research in HIV/AIDS – to develop and characterize inhibitors of HIV Ribonuclease H and of NRTI excision

Supervisor: Prof. Dr. Michael A. Parniak

Ph.D. in Pharmacognosy, University of Szeged, Albert Szent-Györgyi Medical and Pharmaceutical Center, Department of Pharmacognosy, Szeged, Hungary, 09/2000-09/2003

Concentrations: Isolation and structural elucidation of phytoecdysteroids from *Silene italica* ssp. *nemoralis*

Thesis: Ecdysteroids isolated from *Silene italica* ssp. *nemoralis*

Supervisor: Prof. Dr. Mária Báthori

Pharmacist Degree, Albert Szent-Györgyi Medical University, Faculty of Pharmacy, Szeged, Hungary, 09/1994-06/1999

RESEARCH SKILLS

Chromatographic and structural elucidation methods

Research skills in enzyme kinetic analysis

LANGUAGES

English and German: intermediate language exams, fluent

PUBLICATIONS AND PAPERS PRESENTED AT CONFERENCES

(1997-1999)

1. Pongrácz, Z. A *Hyssopus officinalis* L. néhány szervesetlen elemtartalmának meghatározása atomspektroszkópiai módszerekkel. TDK Konferencia, 1998.
2. Csikkel-Szolnoki, A., Báthori, M., Pongrácz, Z. A *Hyssopus officinalis* L. elemtartalmának meghatározása és változása a vegetáció során. 8th *Solid Sampling Spectrometry Colloquium and 41st Hungarian Conference on Spectrochemistry*, Budapest, Hungary, 1998.
3. Pongrácz, Z. A *Hyssopus officinalis* L. néhány szervesetlen elemtartalmának meghatározása atomspektroszkópiai módszerekkel. SZOTE Pályamunka, Szeged, 1999.
4. Pongrácz, Z. Az izzóp fitoterápiás értékelése. XXXV. *Rozsnyai Mátyás Emlékverseny*, Szeged, 2000.

Ph.D. (2000-2003) SCIENTIFIC PUBLICATIONS

1. Pongrácz, Z., Blazsó, G., Báthori, M. Role and significance of ecdysteroids. *Fitoterápia* V(3-4): 57-64, 2000.
2. Báthori, M., Kalász, H., Pongrácz, Z., Máthé, I., Kálmán, A., Argay, G. 5-Alpha-and 5-beta isomer pair of ecdysteroids isolated from the *Silene* genus. *Biomedical Chromatography* 16(1): 373-378, 2002.
3. Báthori, M., Pongrácz, Z., Tóth, G., Simon, A., Kandra, L., Kele, Z., Omacht, R. Isolation of a new member of the ecdysteroid glycoside family: 2-deoxy-20-hydroxyecdysone-22-O-D-glycopyranoside, *Journal of Chromatographic Science* 40(7): 409-415, 2002.
4. Pongrácz, Z., Báthori, M., Tóth, G., Simon, A., Mák, M., Máthé, I. 9 α ,20-dihydroxyecdysone, a new natural ecdysteroid with a unique structure isolated from *Silene italica* ssp. *nemoralis*. *Journal of Natural Products* 66: 450-451, 2003.
5. Báthori, M., Kalász, H., Janicsák, G., Pongrácz, Z., Vámos, J. TLC of phytoecdysteroids. *Journal of Liquid Chromatography and Related Technology* 26: 2629-2649, 2003.
6. Báthori, M., Pongrácz, Z. Phytoecdysteroids – From Isolation to their Effects on Humans. *Current Medicinal Chemistry*, in press, 2003.
7. Báthori M., Pongrácz Z., Omacht R., Máthé I. Preparative Scale Purification of Shidasterone, 2-Deoxy-polypodine B and 9 α ,20-Dihydroxyecdysone from *Silene italica* ssp. *nemoralis* *Journal of Chromatographic Science* 42(5): 275-279, 2004.

8. Simon, A., Pongrácz, Z., Tóth, G., Mák, M., Máthé, I., Báthori, M. A new ecdysteroid with unique 9beta-OH and four other ecdysteroids from *Silene italica* ssp. *nemoralis*. *Steroids* 69(6):389-394, 2004.

SCIENTIFIC PRESENTATIONS AND POSTERS

9. Pongrácz, Z., Báthori, M., Máthé, I., Janicsák, G., Miklóssy, V. V.: Ecdysteroids as varying chemical constituents of *Silene* species growing in Hungary. World Conference on Medicinal and Aromatic Plants, „Poster Section”, Budapest, Hungary, jul. 8-11. 2001. In: Proceedings of the International Conference on Medicinal and Aromatic Plants, Part II, Eds. J. Bernáth et al., *Acta Hort.* 597, ISHS 2003, pp. 131-135.
10. Pongrácz, Z., Báthori, M., Máthé, I., Janicsák, G.: Distribution of phytoecdysteroids in *Silene* species, Botanical Section of Hungarian Biological Society 1377. Session, Budapest, Hungary, dec.10. 2001. In: *Botanikai Közlemények* 2001, 88(1-2): 221.
11. Pongrácz, Z., Báthori, M., Simon, A., Tóth, G., Miklóssy-Vári, V., Máthé, I.: *Silene italica* ssp. *nemoralis* as a new ecdysteroid source. Medicinal Plant Research and Utilization 2002, Kecskemét, Hungary, nov. 13-15. 2002. In: Program and Book of Abstracts p. 175 (E-36).
12. Simon, A., Tóth, G., Báthori, M., Pongrácz, Z.: Isolation and NMR investigation of ecdysteroids from *Silene italica* ssp. *nemoralis*. *4th Central European NMR Smposiun & Bruker NMR Users Meeting*, Budapest, sept. 2-3. 2002.
13. Simon, A., Tóth, G., Báthori, M., Pongrácz, Z., Hunyadi, A.: NMR investigation of plant samples isolated from *Silene italica* ssp. *nemoralis*. Analytical Days, Hungarian Chemical Society, Budapest, Hungary, jan. 29-30. 2003.
14. Pongrácz, Z., Báthori, M., Simon, A., Tóth, G., Miklóssy-Vári, M., Máthé, I. Modellsubstances for biological active semi-synthetic ecdysteroids. *Congressus Pharmaceuticus Hungaricus XII*, Budapest, Hungary, maj. 8-10. 2003. *Gyógyszerészet* 2003, Special Congress Number, Posters p. 85 (P-86).
15. Pongrácz, Z., Báthori, M., Simon, A., Tóth, G., Máthé, I. Combined chromatographic procedures in isolation and purification of ecdysteroids. Forum of Young Chemists, Hungarian Chemical Society, Budapest, Hungary, nov. 25. 2003.
16. Pongrácz, Z., Báthori, M., Tóth, G., Simon, A., Máthé, I. Ecdysteroids from *Silene italica* ssp. *nemoralis*. New prospects of using ecdysteroids in human therapy. Hungarian

Academy of Sciences, Forum of Section of Medical Sciences, Budapest, Hungary, nov.
26. 2003. *Gyógyszerészet* 47: 724, 2003.