

## IUPAC Project Progress Report

**Project number:** 2003-015-1-500

**Project Title:** Terminology, quantities and units concerning Production and Applications of Radionuclides in Radiopharmaceutical and Radioanalytical Chemistry

**Task Group Leader:** Mauro L. Bonardi

### Report:

1. Current status of project:

project running, in progress, no expenses for IUPAC until now. Some personal contacts and email exchanges were carried out with some TGMs during fall 2003 and 2004. No dedicated Meetings have been organized until now. 1 (first) Meeting of TGMs planned in the next months.

2. Progress relative to 'milestones':

Presentation of the new project and preliminary results to National and International Conferences.

Some related papers published.

3. Difficulties encountered (or concerns): NN

4. Projected completion date (documents ready for external review): expected 2006

5. Intended outputs and the dissemination plan for this project:

### Articles:

1. J.J.M. De Goeij, M.L. Bonardi, How do we define the concepts specific activity, radioactive concentration, carrier, carrier-free, no-carrier-added? *J. Radioanal. Nucl. Chem.*, **263** (1-3), January – May, 2005
2. M.L. Bonardi, J.J.M. De Goeij, How do we ascertain specific activities in no-carrier-added radionuclide preparations? *J. Radioanal. Nucl. Chem.*, **263** (1-3), January – May, 2005
3. M.L. Bonardi, Terminology, Quantities and Units concerning Production and Applications of Radionuclides in Radiopharmaceutical and Radioanalytical Chemistry”, *The Project Place, Chem. Int.* **26**(3) (2004) 23-24

### Conferences:

1. J.J.M. De Goeij, M.L. Bonardi, How do we define the concepts specific activity, radioactive concentration, carrier, carrier-free, no-carrier-added? 6-th Int. Conf. Methods Appl. Radioanal. Chem., MARC-VI, Apr 06-11, 2003, Kailua-Kona, Hawaii, USA, no expenses for IUPAC

2. M.L. Bonardi, J.J.M. De Goeij, How do we ascertain specific activities in no-carrier-added radionuclide preparations? 6th Int. Conf. Methods Appl. Radioanal. Chem., MARC-VI, Apr 06-11, 2003, Kailua-Kona, Hawaii, USA, no expenses for IUPAC
3. M. Bonardi, J.J.M. de Goeij, IUPAC Project about Terminology concerning Radioanalytical and Radiopharmaceutical Chemistry, XXI Congresso Nazionale della Societa' Chimica Italiana, Torino, Italy, Jun 22-27, 2003, <http://www.sci2003.unito.it/>, no expenses for IUPAC
4. M.L. Bonardi, F. Groppi, Terminology concerning radioanalytical chemistry of "high specific activity" radionuclides and labelled compounds, XI Italian-Hungarian Symposium on Spectrochemistry, New Challenges in Human Health Protection, Anthropic and Remote Areas, Venice, Italy, Oct 20 - 24, 2003, invited, no expenses for IUPAC
5. M.L. Bonardi, The new IUPAC Project on "Terminology, Quantities and Units concerning Production and Applications of Radionuclides in Radiopharmaceutical and Radioanalytical Chemistry", Winter Meeting of the American Nuclear Society, Washington DC, Nov 13-18, 2004, invited, <http://www.ANS.org>, no expenses for IUPAC