

**Bristol-Myers Squibb
Pharmaceutical Research Institute**

Richard L. Gelb Center for Pharmaceutical Research and Development

5 Research Parkway P.O. Box 5100 Wallingford, CT 06492-7660

Br. 2

August 25, 2009

Elizabeth Ullrich
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

03029266

Re: Bristol-Myers Squibb (License No. 06-27843-02) Amendment

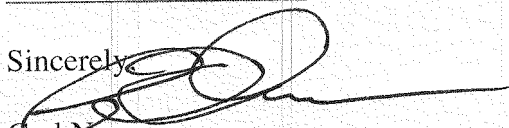
Dear Ms. Ullrich,

By this letter I am requesting an amendment to license 06-27843-02, Bristol-Myers Squibb, Wallingford, CT 06492 to comply with the requirements for NARM. I am requesting changes to the BMS site license as described below.

- Add fluorine-18 at 600 mCi in any form to the license
- Add Remesh Padmanabha, Fiona McPhee and Jonathan O'Connell to the license as principal investigators (training/experience attached)
- Increase the site limit for carbon-14 from 3 curies to 5 curies
- Delete chlorine-36, scandium-46, selenium-75, strontium-85, rubidium-86, niobium-95, tin-113, iodine-131, xenon-133, cerium-141, and gadolinium-153 from the license as we do not use these isotopes.
- Delete Margie Goldstein and Hsu-Tso Ho as principal investigators from the license. They are no longer employed with BMS.

If you have any questions or concerns please call me at 203 677-6342, e-mail at carl.noonan@bms.com or write to the above address. Thank you.

Sincerely,


Carl Noonan
Associate Director
Environment, Health & Safety

2009 AUG 27 AM 10:50

RECEIVED
REGION I



A Bristol-Myers Squibb Company

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NI'SS/RGNI MATER. ALS-002

Bristol-Myers Squibb
Research & Development –Wallingford

Name: Ramesh Padmanabha Date: 08/24/2009

Job Title: Principal Scientist

Department Name: Lead Discovery

A. TRAINING IN USE OF RADIOACTIVE MATERIALS:

Please provide the names and dates of the college(s) or university you attended where you received formal training in the use of radioactive materials.

University of Georgia, Athens, GA

Yale University, New Haven, CT

Formal Course Work:

Describe the formal course work you have had in the following areas:

1. Principles and practices of Radiation Protection
Video and Instruction at Bristol-Myers Squibb Co.
2. Radioactivity measurements, standardization, monitoring techniques and instruments.
General Biochemistry and Labs, University of Georgia. Included the theory and practice on the use of radioactive materials in research, plus hands on experience in the lab.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
General Biochemistry and Labs, University of Georgia. Included the theory and practice on the use of radioactive materials in research, plus hands on experience in the lab.
4. Biological effects of radiation
General courses on genetics, University of Georgia. Included the causes of mutations and the use of radiation in cancer treatments.

B. ON-THE-JOB TRAINING

Please provide a brief description of the on-the-job training you have received.

Training in graduate school on safe laboratory practices using 32P and 35S in the setting up and running of protein kinase assays and in DNA sequencing. The kinase assays were performed using filter binding methods with 32P- ATP. DNA sequencing was performed using 35S –ATP.

Other training included the use of 125I labeled antibodies for Western Blot analysis. Similar research was carried out at Yale University.

Bristol-Myers Squibb
Research & Development –Wallingford

Name: Fiona McPhee Date: August 12, 2009

Job Title: Senior Principle Scientist

Department Name: Virology

A. TRAINING IN USE OF RADIOACTIVE MATERIALS:

Please provide the names and dates of the college(s) or university you attended where you received formal training in the use of radioactive materials.

Oxford University, England 1987 - 1990; Max Planck Institute in Martinsried, Germany 1991-1993; UCSF, USA 1993-1995

Formal Course Work:

Describe the formal course work you have had in the following areas: I was the Radiation Safety Representative for the Organic Chemistry Department at Oxford University. An informal course was taken that covered instruments to measure radioactivity, protection, setting up of experiments (up to 100 mCi for synthetic reactions), use and disposal of radioactivity.

Other sites required watching videos, and being shown what to do by fellow colleagues

1. Principles and practices of Radiation Protection
Hands on training with video instruction
2. Radioactivity measurements, standardization, monitoring techniques and instruments.
Training at Bristol-Myers Squibb
3. Mathematics and calculations basic to the use and measurement of radioactivity.
Training at Bristol-Myers Squibb
4. Biological effects of radiation
Training at Bristol-Myers Squibb

B. ON-THE-JOB TRAINING

Please provide a brief description of the on-the-job training you have received.

Organic Chemistry: Working with 100 mCi of tritiated reagents for chemical synthesis, required working in a hood with columns and separating funnels, designated equipment for NMR analysis; similar experience obtained in radiosynthetic labs at SmithKline and French
Working with P32, and later S35 as a student and post-doc for DNA and/or RNA sequencing
Working with blood and cells radiolabeled with P32/P33 to monitor biochemical pathways/viral lifecycle

Bristol-Myers Squibb
Research & Development – Wallingford

Name: Jonathan O'Connell Date: 24th August 2009

Job Title: Associate Director

Department Name: Lead Discovery

A. TRAINING IN USE OF RADIOACTIVE MATERIALS:

Please provide the names and dates of the college(s) or university you attended where you received formal training in the use of radioactive materials.

University of Manchester, Manchester, England (1989-1993)

University of Glasgow, Glasgow, Scotland (1993-1996)

Formal Course Work:

Describe the formal course work you have had in the following areas:

1. Principles and practices of Radiation Protection
As part of biochemistry classes at the University of Manchester
Formal registered course for initial training at GlaxoSmithKine, UK and at Bristol Myers Squibb, CT. Annual refresher courses thereafter.
2. Radioactivity measurements, standardization, monitoring techniques and instruments.
General Biochemistry at the University of Manchester, included the theory and practice on the use of radioactive materials in research, how to measure & monitor plus hands on experience in the lab
3. Mathematics and calculations basic to the use and measurement of radioactivity.
General Biochemistry at the University of Manchester explained all the calculation based around radiation theory. Formal courses at BMS have also explained this extensively.
4. Biological effects of radiation
University training in biochemistry clearly explained the biological effects of radiation.

B. ON-THE-JOB TRAINING

Please provide a brief description of the on-the-job training you have received.

Extensively used ³²P, ³³P, ¹²⁵I, ³H and ¹⁴C throughout PHD. Course at Glasgow University and Career at Glaxo (UK) and BMS (USA) over the last 17 years. Each institution mandated extensive initial training followed by yearly refresher training.

This is to acknowledge the receipt of your letter/application dated

8/25/09, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (06-27843-02)
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 144101.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader