Tri-functional Imaging Agent for Monoclonal Antibody Tumor-Targeted Imaging

Description of Technology: This is a novel lysine-based trifunctional chelate which bears both a chelating moiety (CHX-A⁺) for sequestering radionuclides (86Y or 111In) and a near-infrared dye, e.g., Cy5.5, for dual modality PET (or SPECT) and fluorescence imaging. Successful conjugation of monoclonal antibody trastuzumab (Herceptin) or cetuximab (Erbitux), has also been achieved by efficient thiol-maleimide chemistry, thereby yielding an immunogojenate (signalling agent (Cy5.5-Lys(SMCC)-CHX-A⁺) conjugated to trastuzumab) or (signalling agent (Cy7-Lys(SMCC)-CHX-A⁺) conjugated to cetuximab). Both specifically target antigen expressing cells and internalization of the agent has been imaged over time. Trastuzumab can be radiolabeled with isotiocyanate derivates of the bifunctional chelating agents 1B4M (2-(4-aminobenzy1)-6-methyldihylenetraminepentaacetic acid); and CHX-A⁺ (N-(Ir)-(2-amino-3-(p-aminophenyl)propyl)-trans-(S,S)-cyclohexane-1,2-diamine-N,N,N',N'-pentaacetic acid).

Potential Commercial Applications:
- Cancer imaging.
- Cancer diagnostics.

Competitive Advantages:
- Target specific.
- Multifunctional (imageable through multiple platforms).

Development Stage:
- Early-stage.
- In vivo data available (animal).

Inventors: Martin W. Brechbiel, Heng Wu, Kwamina E. Baidoo (all of NCI).

Publications:


Licensing Contact: Michael A. Shmilovich, Esq., CLP, 301–435–5019; shmilovm@mail.nih.gov.

Collaborative Research Opportunity:

The National Cancer Institute Radiation Oncology Branch is seeking statements of capability or interest from parties interested in collaborative research to further develop, evaluate or commercialize Trifunctional Imaging Agent for Monoclonal Antibody Tumor-Targeted Imaging. For collaboration opportunities, please contact John D. Howes, Ph.D. at howes@mail.nih.gov.

Dated: August 6, 2013.

Richard U. Rodriguez,
Director, Division of Technology Development and Transfer, Office of Technology Transfer, National Institutes of Health

[FR Doc. 2013–19285 Filed 8–8–13; 8:45 am]

BILLING CODE 4140–01–P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health
National Institute of Environmental Health Sciences; Notice of Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. App.), notice is hereby given of a meeting of the National Advisory Environmental Health Sciences Council. The meeting will be open to the public as indicated below, with attendance limited to space available. Individuals who plan to attend and need special assistance, such as sign language interpretation or other reasonable accommodations, should notify the Contact Person listed below in advance of the meeting.

The meeting will be closed to the public in accordance with the provisions set forth in sections 552b(c)(4) and 552b(c)(6), Title 5 U.S.C., as amended. The grant applications and the discussions could disclose confidential trade secrets or commercial property such as patentable material, and personal information concerning individuals associated with the grant applications, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Name of Committee: National Advisory Environmental Health Sciences Council.

Date: September 10, 2013.

Open: 8:30 a.m. to 3:15 p.m.

Agenda: Discussion of program policies and issues.

Place: Nat. Inst. of Environmental Health Sciences, Building 101, Rodbell Auditorium, 111 T. W. Alexander Drive, Research Triangle Park, NC 27709.

Closed: 3:30 p.m. to 5 p.m.

Agenda: To review and evaluate grant applications.

Place: Nat. Inst. of Environmental Health Sciences, Building 101, Rodbell Auditorium, 111 T. W. Alexander Drive, Research Triangle Park, NC 27709.

Date: September 11, 2013.

Closed: 9:30 a.m. to 3:15 p.m.

Agenda: To review and evaluate grant applications.

Place: Nat. Inst. of Environmental Health Sciences, Building 101, Rodbell Auditorium, 111 T. W. Alexander Drive, Research Triangle Park, NC 27709.

Contact Person: Gwen W. Collman, Ph.D., Interim Director, Division of Extramural Research & Training, National Institutes of Health, Nat. Inst. of Environmental Health Sciences, 615 Davis Dr. KEY615/3112, Research Triangle Park, NC 27709, (919) 541–4980, collman@niehs.nih.gov.

Any interested person may file written comments with the committee by forwarding the statement to the Contact Person listed on this notice. The statement should include the name, address, telephone number and when applicable, the business or professional affiliation of the interested person.

Information is also available on the Institute’s/Center’s home page: www.niehs.nih.gov/dert/c-agenda.htm, where an agenda and any additional information for the meeting will be posted when available.

(Catalogue of Federal Domestic Assistance Program Nos. 93.115, Biometry and Risk Estimation—Health Risks from Environmental Exposures; 93.142, NIEHS Hazardous Waste Worker Health and Safety...
DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute of Mental Health; Notice of Meeting

Pursuant to section 10(a) of the Federal Advisory Committee Act, as amended (5 U.S.C. App.), notice is hereby given of a meeting of the Interagency Autism Coordinating Committee (IACC) Subcommittee for Services Research and Policy Subcommittee.

The IACC Subcommittee for Services Research and Policy will be having a conference call on Tuesday, August 27, 2013. The Subcommittee will discuss future subcommittee activities. The meeting will be accessible by conference call.

Name of Committee: Interagency Autism Coordinating Committee (IACC).

Type of meeting: Conference Call.

Date: August 27, 2013.

Time: 2 p.m.–4 p.m. *Eastern Time*—Approximate end time.

Agenda: The committee will discuss future subcommittee activities.

Place: Conference call only; No in-person meeting.


Cost: The conference call is free.

Contact Person: Ms. Lina Perez, Office of Autism Research Coordination, National Institute of Mental Health, NIH, 6001 Executive Boulevard, NSC, Room 6182A, Rockville, MD 20852, Phone: (301) 443–6040, Email: IACCPublicInquiries@mail.nih.gov.

Please Note: The meeting will be open to the public and accessible via conference call. Members of the public who participate using the conference call phone number will be able to listen to the meeting but will not be heard. If you experience any technical problems with the conference call, please send an email to helpsdesk@iacc@mail.nih.gov or call 415–652–8023 for technical support.

Accommodations Statement: Individuals who participate by using this electronic service and who need special assistance such as captioning or other reasonable accommodations should submit a request to the Contact Person listed on this notice at least 5 days prior to the meeting. This meeting notice is being published less than 30 days in advance of the meeting due to the urgent need of the subcommittee to discuss the subcommittees upcoming activities and emerging issues in the autism community.

Schedule subject to change. Information about the IACC is available on the Web site: http://www.iacc.hhs.gov.

Dated: August 5, 2013.

Carolyn Baum,
Program Analyst, Office of Federal Advisory Committee Policy.

BILLING CODE 4140–01–P

SUPPLEMENTARY INFORMATION:

For further information contact: If you have questions on this notice, call or email Carolyn Baum, Office of Commercial Vessel Compliance, U.S. Coast Guard; telephone 202–372–1208, email Corydon.F.Heard@uscg.mil. If you have questions on viewing material in the docket, call Docket Operations at 202–366–9826.

Background and Purpose

Volume III of the Marine Safety Manual (MSM) provides information and interpretations on international conventions and U.S. statutory and regulatory issues relating to marine industry personnel. The last revisions to Volume III of the MSM were released on May 27, 1999. This notice updates portions of chapters 20 through 26.

Specifically, substantive changes include: (1) Updated provisions for vessel manning, including guidance for the issuing of safe manning documents; (2) clarifying roles, responsibilities, and facilitation of communications with the appropriate offices at Coast Guard Headquarters in alignment with Deputy Commandant for Operations Organization 3.0; and (3) revised discussion on the impact of multiple international standards, including the Officer’s Competency Certificates Convention (OCCC) 1936, the International Convention for Safety of Life at Sea (SOLAS), the Global Maritime Distress and Safety System (GMDS), and the Principles of Minimum Safe Manning (IMO Resolution A.1047(27)). Additionally, this draft clarifies the applicability of tonnage measurement systems to U.S. flag vessels, and it also includes changes resulting from the consolidation of merchant mariner qualification credentials, including the removal of...