

## **The Search for an Ideal Analgesic: Lessons from the NIH Medicines Development Program**

### *Agenda*

May 4—5, 2012  
The Sheraton Boston Hotel  
Boston, Mass.

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#### **Background:**

The National Institutes of Health (NIH) made strenuous efforts from the 1920s through the 1990s to develop an analgesic that was effective for treating even severe pain, had minimal or no abuse liability, and had an acceptable adverse-event profile. During this period, National Institute of Drug Abuse researchers compiled extensive experience and knowledge, along with some successes. With the termination of the NIH/College on Problems of Drug Dependence (CPDD) medicines development program, knowledge gained by these early researchers is at risk of being lost.

The purpose of this summit meeting is to pass important lessons from researchers involved in the historic search for the ideal analgesic to current pharmaceutical researchers who are pursuing the same mission.

#### **Summit Meeting Objectives:**

- To summarize what NIDA researchers learned as part of the National Institutes of Health's efforts to develop the ideal analgesic during the 20<sup>th</sup> century.
- To identify if there are specific compounds or techniques that may have potential for further development.

| <b>Friday May 4 – Morning</b> |   |  |
|-------------------------------|---|--|
| <b>Commonwealth Foyer</b>     |   |  |
| 7:30 a.m. – 8:00 a.m.         | Registration and breakfast  |  |
| <b>Commonwealth Room</b>      | <b>Topic</b>  | <b>Speaker</b>                                 |
| 8:00 a.m. – 8:15 a.m.         | Overview and purpose of the meeting                                 | Nathaniel Katz, MD, MS<br>Program Director     |
| 8:15 a.m. – 8:45 a.m.         | Developing an ideal analgesic:<br>the need now is greater than ever | Frank Vocci, PhD<br>Friends Research Institute |

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| 8:45 a.m. – 9:15 a.m.                         | Keynote address: the historical drive for the search for the ideal analgesic  | Nancy Campbell, PhD<br>Rensselaer Polytechnic Institute                                      |
| 9:15 a.m. – 9:30 a.m.                         | Discussion  |  |
| 9:30 a.m. – 10:00 a.m.                        | Do we still need a better analgesic: public health, public policy, and ethical perspectives   | Richard Payne, MD<br>University Institute on Care at the End of Life<br>Duke Divinity School |
| 10:00 a.m. – 10:30 a.m.                       | The origin and history of the National Institutes of Health/College on Problems of Drug Dependence (CPDD) medicines development program: focus on chemistry, lessons for the future | Louis Harris, PhD<br>Virginia Commonwealth University  |
| 10:30 a.m. – 11:00 a.m.                       | Discussion  |  |
| 11:00 a.m. – 11:15 a.m.                       | Break   |  |
| 11:15 a.m. – 11:45 a.m.                       | Pre-clinical pharmacology approaches in the NIH Medicines Development Program and lessons for the future  | James Woods, PhD<br>University of Michigan   |
| 11:45 a.m. – 12 noon                          | New approaches in the development of opioids and other analgesics   | Thomas Priszano, PhD<br>University of Kansas   |
| 12 noon – 12:15 p.m.                          | New targets for opioids lacking side-effects  | Gavril Pasternak, MD, PhD<br>Memorial Sloan-Kettering Cancer Center                          |
| 12:15 p.m. – 12:45 P.m.                       | Discussion  |  |
| <b>Fairfax Room</b><br>12:45 p.m. – 1:45 p.m. | Lunch   |  |
| <b>Friday, May 4 – Afternoon</b>              |   |  |
| 1:45 p.m. – 2:15 p.m.                         | Panel discussion  | Frank Vocci, PhD, moderator<br>Louis Harris, PhD<br>Richard Payne, MD<br>James Woods, PhD    |
| 2:15 p.m. – 2:30 p.m.                         | Discussant  | David Shelton, PhD<br>Rinat Laboratories,<br>Pfizer Global Research and Development          |

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| 2:30 p.m. – 3:00 p.m.                        | Clinical characterization of compounds at the Addiction Research Center                                | Donald Jasinski, MD<br>Johns Hopkins University<br>School of Medicine  |
| 3:00 p.m. – 3:15 p.m.                        | Discussion   |  |
| 3:15 p.m. – 3:30 p.m.                        | Break  |  |
| 3:30 p.m. – 4:00 p.m.                        | Lost compounds: what promising compounds or mechanisms have we lost track of?                          | Panel Discussion:<br>James Woods, PhD<br>Louis Harris, PhD<br>Donald Jasinski, MD<br>Philip Portoghese, PhD<br>University of Minnesota |
| 4:00 p.m. – 4:30 p.m.                        | Clinical testing of analgesics: past, present and future   | Nathaniel Katz, MD, MS   |
| 4:30 p.m. – 4:45 p.m.                        | Discussion   |  |
| 4:45 p.m. – 5:00 p.m.                        | Concluding remarks   | Nathaniel Katz, MD, MS   |
| <b>Fairfax Room</b><br>6:00 p.m. – 8:00 p.m. | Reception  |  |
| <b>Saturday, May 5 – Morning</b>             |  |  |
| <b>Fairfax Room</b><br>8:00 a.m. – 8:30 a.m. | Registration and breakfast   |  |
| 8:30 a.m. – 8:45 a.m.                        | Introduction to Day 2  | Nathaniel Katz, MD, MS   |
| 8:45 a.m. – 9:15 a.m.                        | The current strategy for developing strong non-addictive pain relievers in the pharmaceutical industry | Kenneth Verburg, PhD<br>Pfizer   |
| 9:15 a.m. – 9:30 a.m.                        | Discussion   |  |
| 9:30 a.m. – 9:45 a.m.                        | The current strategy for developing strong non-addictive analgesics at NIDA                            | Speaker from NIDA, invited   |
| 9:45 a.m. – 10:00 a.m.                       | Recent progress in grassroots advocacy for addressing the opioid abuse problem                         | Karen Kelly<br>Operation UNITE   |
| 10:00 a.m. – 10:15 a.m.                      | Discussion   |  |

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| 10:15 a.m. – 10:30 a.m. | Break  |  |
| 10:30 a.m. – 11:00 a.m. | NIH Pain Consortium and Translational Medicine Program   | Linda Porter, PhD<br>National Institute of Neurological Disorders and Stroke |
| 11:00 a.m. – 11:30 a.m. | The FDA ACTION public-private partnership: what is the FDA doing to accelerate the development of better analgesics? | Robert H. Dworkin, PhD<br>University of Rochester School of Medicine         |
| 11:30 a.m. – 11:45 a.m. | Discussion   |  |
| 11:45 a.m. – 12 noon    | Legislative update: current efforts to increase federal spending on pain research                                    | Robert Saner, Esq.<br>Powers Pyles Sutter & Verville                         |
| 12 noon – 12:15 p.m.    | Pain and addiction as funding priorities: are we putting our money where our mouth is?                               | Congressional representative, invited  |
| 12:15 p.m. – 12:45 p.m. | Future development of effective and safe analgesics: what should our national policy be?                             | Moderated discussion   |
| 12:45 p.m. – 1:00 p.m.  | Concluding remarks   | Nathaniel Katz, MD, MS   |
| 1:00 p.m.               | Adjourn  |  |