

ICARE Member Reports

- **Epilepsy Therapy Project** Joyce Cramer, President
 - Mission: *Accelerating ideas into new therapies for people with epilepsy*
 - ETP is a 501 (c) (3) nonprofit organization dedicated to a singular focus: overcoming the funding gaps and roadblocks that slow the progress of new therapies from the lab to the patient.
 - ETP seeks to improve incentives and encourage commercial investment in new therapies.
 - (Treatments reach patients only by commercial routes)
 - Acting as both a catalyst and clearing house for innovative research and the early commercialization of new therapies, ETP brings together financial resources, scientific insights and business expertise from leading academic and commercial industry participants.

ICARE Member Reports:

EPILEPSY THERAPY PROJECT

- **Major topics of interest in epilepsy research**

- **Providing support to companies** from target molecule selection to proof of concept for drugs, biologics, and devices, as well as platforms to improve preclinical development (e.g., animal models)
- **Providing support in developing efficient clinical trial designs** to reach regulatory approval for new therapies
- **Providing support for investment and business development** groups to understand the value of the epilepsy space (FOr epilepsy alone or as an entry into the broader CNS arena)

Types of research support or other activities

Epilepsy Pipeline Updates: annual conferences to showcase ongoing developments in drugs, devices, biologics for epilepsy. <http://www.epilepsy.com/etp/pipeline2010> webcasts

Grants: 2 cycles/year

New Therapy Grants: supporting the research and development of new therapies in academic and commercial settings worldwide. Truly translational research: proposals must demonstrate a clear path from the lab to the patient

Commercialization Grants: matching grants to support the commercialization of novel approaches; leveraging other resources.

Investments: Seed/Angel investments in selected companies with the imprimatur of our support to demonstrate our enthusiasm for the program to investors.

ICARE Member Reports: EPILEPSY THERAPY PROJECT

- *Resources available for collaboration:*
 - www.epilepsy.com reaches >250,000 individuals in the community every month with articles (written by epilepsy professionals), as well as social media blogs, chats, forums, podcasts, etc.
 - **My Epilepsy Diary** is a new feature for patients and researchers to track seizures, adverse effects, etc. (2644 diaries in 3 months)
 - **eJournal**, clinical trials, social media of all types.
 - www.epilepsy.com/professionals for education of healthcare providers within neurology and outreach to primary care.
 - Both websites contain thousands of pages of high-quality information
 - Opportunities to share content and messaging to >50,000 viewers/month

Scientific Advisory Board for review of scientific quality of proposals

Business Advisory Board for review of business potential of proposals

A 'face' to present opportunities in epilepsy to the
business world (investors and pharma/device companies)

Epilepsy Pipeline Update – February 2010

The “NeurOlympics” featured entrepreneurs who had already won preliminary events and achieved success by forming a company and securing patent rights to bear novel approach to epilepsy treatment. The sheer number of startup companies interested in epilepsy was astounding, with presentations by:

- 11 companies working on **devices and hybrids** to detect or prevent seizures, some by brain stimulation and others by direct drug delivery into the brain.
- 4 groups described **new animal models or genetic approaches** to understanding epilepsy treatment period.
- 11 companies described **drugs (new molecular entities) or biologics (gene-based treatments)**
- 4 companies described **early clinical studies** with drugs already evaluated for basic safety in humans.
- 7 companies described **late stage clinical studies** of drugs ready to be submitted to the food and drug administration for regulatory review.
- 6 companies provide updates all of already **marketed drugs**, including new information about mechanisms of action and potential new indications.

ICARE Member Reports: EPILEPSY THERAPY PROJECT

- **Priorities for future activities**
 - Expand Innovation Center to increase support for entrepreneurs
 - Expand connections with investment and business development sources of support for the epilepsy pipeline.
 - Expand Pipeline Update conference
 - Expand funding, matching and networking efforts, to help us bridge critical stages of development, and to identify and advocate for highly competitive pipeline programs that should be accelerated through development and to the patient.
 - Increase seed investments in start-up companies
 - **We constantly monitor innovation and clinical progress in the epilepsy and CNS field to seek out deserving, high-value programs.**