The Endocannabinoid System and Age-Related Illnesses

MAY 8–10, 2014
Portland University Place and the National College of Natural Medicine
Portland, Oregon

The purpose of this conference series is to educate health care professionals and the U.S. public about therapeutic cannabis. Founded in 1995, Patients Out of Time began a long-term series of biennial conferences, this is eighth in the series. Need for this education is universal to all US states. There has been no formal educational program concerning therapeutic cannabis applications since the late 1930s. To fill this void, Patients Out of Time has identified the current world-wide cannabis research being conducted and invited the scientists and health care clinicians involved to present their findings at an accredited educational forum. This eighth conference is focusing on the emerging science of the endogenous cannabinoid system (ECS) and its effects on health as we age. Baby boomers are entering retirement and cannabis could be a useful botanical medicine. Leading health care organizations in the United States such as the American Public Health Association, the American Nurses Association, the American College of Physicians, and the American Medical Association have called for more research on medicinal cannabis and the education of their members based on evidence-based practice regarding therapeutic cannabis. Patients Out of Time is proud and honored to be the provider of such education in the U.S.

Educational Objectives
At the end of this educational activity, participants should be able to:

- Define an adaptogenic herb and describe how this applies to cannabis
- Describe the role of the endocannabinoid system in the aging process
- Differentiate between phyto-cannabinoids, endocannabinoids and synthetic cannabinoids
- Provide appropriate patient education regarding the safe use of medicinal cannabis
- Consider cannabis as an adjunct medication for pain management
- Identify local or online resources to help with access to quality cannabis products, new cannabis/cannabinoid research, and to experts in the field to help guide the use of medicinal cannabis.

The Eighth National Clinical Conference on Cannabis Therapeutics

In Association with
American Academy of Cannabinoid Medicine
American Cannabis Nurses Association
Society for Cannabis Clinicians
National College of Natural Medicine

With Support From

With Support From

Patients Out of Time
University of California, San Francisco School of Medicine

The Faculty

Mary Abood, PhD, Professor, Dept. of Anatomy and Cell Biology, Center for Substance Abuse Research, Temple University School of Medicine, Philadelphia, PA
Donald Abrams, MD, Professor of Clinical Medicine, University of California San Francisco, Chief of Hematology/Oncology, San Francisco General Hospital
Sunil Aggarwal, MD, PhD, Senior Resident, Department of Rehabilitation Medicine, NYU School of Medicine, NYC
David Allen, MD, Retired cardiac surgeon, Sacramento, CA
Paul Armentano, Deputy Director, NORML/NORML Foundation, Vallejo, CA
Thomas A. Burns, Director, Pharmacy Programs, Oregon Health Authority, Salem, OR
Al Byrne, Lcdr (ret), COO, Patients Out of Time, Howardville, WA
Greg Carter, MD, Medical Director, St. Luke’s Rehabilitation Institute, Spokane, WA
Valerie Leverson Corral, VP/man’s Alliance for Medical Marijuana, Director, WAMM, Santa Cruz, CA
Michael D. Cutler, EvansCutler Attorneys, Northampton & Boston, MA
Todd Daulet, CANI Research, Educating & Consulting, Chair, Oregon Health Authority’s Advisory Committee on Medical Marijuana, Corvallis, OR
Perry Fine, MD, Professor of Anesthesiology, School of Medicine, University of Utah, Salt Lake City, UT
Dale Gieringer, MD, Retired cardiac surgeon, Sacramento, CA
Connie Elkins McKelvey, Esq., Volunteer, Washington State Commission on Cannabis, Seattle, WA
Thomas A. Burns, Director, Pharmacy Programs, Oregon Health Authority, Salem, OR
Mary Nowicki, Lcdr (ret), COO, Patients Out of Time, Howardville, WA


Can’t come to the conference but still want to help Patients Out of Time?

- Consider sponsoring a physician, nurse or other Health Care Professional; a legislator or community leader; or interested member of the public to attend.
100% of a registration for someone else is tax deductible to you.

- Donate an item to our auction. During the conference there will be an opportunity to bid on items of interest to you.
20% of the value of the item is tax deductible and all proceeds go towards cannabis education.

- Donate to our scholarship fund and help offset the cost of attendance for someone who would not otherwise be able to attend. This is a tax-deductible donation.
20% of the value of the item is tax deductible.

For more information and to donate:
www.medicalcannabis.com

Questions? Laramie Silber, Conference Coordinator laramie@medicalcannabis.com
**Agenda**

**Thursday, May 8**
8:00 am—5:30 pm Preconference Workshops for Doctors, Lawyers, and Nurses. See website for complete agendas, and faculty lists
7:30 pm Reception and Registration

**Friday, May 9**
8:00 am
Opening Remarks - Al Byrne & Donald Abrams
8:30 Repression of Scientific Knowledge - David Allen, MD
8:40 Educational Needs of Health Care Professionals - Mark Ware, MD

9:00 Cannabis as an Adaptogenic Herb • Michelle Seaton, ND
9:40 Cannabis Production for a Regulated Market • Todd Dalotto

10:00 Break
10:20 History of Cannabinoid Receptors: Targets of Interest to the Pharmaceutical Industry • Alwyn Howlett, PhD
10:50 Endocannabinoids and Mood Disorders • Cecilia Hillard, PhD
11:20 New Target Receptors for Cannabinoids GPR55 and GPR18 - Mary Abood, PhD
11:40 The Endocannabinoid System, Cannabis and Pain • Perry Fire, MD

12:00 Lunch (With speaker from the Oregon Health Authority, Thomas A. Burns)
1:30 pm Cannabis, the ECS and Alzheimer’s Disease • Diana Sylvestre, MD
2:00 Cannabis in the Management of Neuromuscular Diseases • Greg Carter, MD
2:30 Hepatitis C and Cannabinic, an Overview • Diana Sylvestre, MD

2:50 Break
3:10 Potential Therapeutic Benefits of Cannabidiol for Cancer Patients • Sara Jane Ward, PhD
3:35 Clinical Applications of Cannabis in Cancer Patients • Donald Abrams, MD

3:40 Q & A - All Friday’s Speakers; Mary Lynn Mathre, moderator
4:30 Day end

6:30 Patients Out of Time Benefit Dinner (boat cruise on the Willamette River)

**Saturday, May 10**
8:00 am Welcoming Remarks
8:20 The Use of Cannabinoids for Mid Life Crisis • Henry Lowey, PhD
8:40 Cannabinoids: Tackling the Cardiovascular Problems • Reem Smouh, PhD
9:00 Osteoporosis, Osteoarthritis, and the Brain-Bone Connection • Johan Marcz, PhD, DO
9:20 Addiction: The Dark Side of Cannabinoids • Jennifer Wiley, PhD
9:40 The Art of Cannabinoid Medicine: Clinical Approaches to Maximize Benefit and Minimize Harm • Dustin Sulak, DO

10:00 Break
10:20 What’s in Your Medicine? CBD, Terpenes, and Other Ingredients in Medical Cannabis • Dale Gieringer, PhD
10:50 Cannabis Use in a Nursing Home Setting • Zach Klein, MSc candidate
11:20 Creating Cannabis Policies in Extended Care Facilities/ Use of Cannabis in the Elderly • Jeffrey Hergenrather, MD

11:20 Cannabis Therapeutics in Hospice and Palliative Medicine • Samul Aggarwal, MD, PhD
11:40 Facing Death with the Help of Cannabis • Valerie Cordal
12:00 Lunch
1:30 pm Complex Conditions and Cannabis: Individualized Treatment Yields Promising Results • Maria Gordon
1:50 Is Your Patient Impaired on Cannabis? • Paul Armentano
2:10 The Importance of Education for the Patients • Jennifer Roch

2:50 Stigma and Patient Experiences • Michelle Newhart, PhD
2:50 Patient panel • Debbie Wilson and John D. Schwerdtfeger
3:10 Break
3:30 Empowering Healthcare Providers to Protect and Guide Patient Access to Herbal Cannabis • Alan Silber (moderator), Michael Cutler & Connie Ekins McKelvey

4:00 Q & A - All Saturday Faculty, ML Mathre, moderator
4:30 Evaluation

**Accreditation Statement:** This activity has been planned and implemented in accordance with the essential areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of California, San Francisco School of Medicine (UCSF) and Patients Out of Time. UCSF is accredited by the ACCME to provide continuing medical education for physicians. UCSF designates this educational activity for a maximum of 72.5 Category 1 Credits. Physicians should claim only the credit commensurate with the extent of their participation in the activity. The approved credits include up to 2.50 credits toward the requirement of California Assembly Bill 487 Pain Management and Care of the Terminally Ill. The approved credits include up to 2.50 credits toward meeting the requirement of California Assembly Bill 1820, Geriatric Medicine. This course meets the qualifications on an hour-for-hour basis of continuing education credit for NPs and/or LCWNS as required by the California Board of Behavioral Sciences. Approval No. PCE 1272.

This activity has been submitted to the Ohio Nurses Association (OBN-001-91) for approval to award contact hours. The Ohio Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation. Please call ML Mathre at 434-263-4444 for more information about contact hours.

---

**The Eighth National Clinical Conference on Cannabis Therapeutics**

**The Endocannabinoid System and Age-Related Illnesses (Course #MMJ14106)**

May 8–10, 2014 •Portland University Place and the National College of Natural Medicine, Portland, OR

**Registration Form**

**Name**

Academic Degree/Title

Organization/Institution/Company

Mailing Address

City

State _______________________________ Zip ___________________________

E-mail _____________________________________________________________

Telephone__________________________________________________________

**Conference Fees**

Physicians $470 $___________________

Nurses, Health Care Professionals, other professionals $350 $___________________

ACNA member $250 $___________________

General public $235 $___________________

Student $125 $___________________

Late registration fee added to above (After April 14, 2014) $50 $___________________

Patients Out of Time Benefit Dinner, Friday evening boards 6:30pm, departs promptly 7pm $125 $___________________

Pre-Conference Workshops May 8

AAMC/SCC Medical course $150 $___________________

AAMC/SCC exam May 11 $100 $___________________

Register for both $200 $___________________

Lawyers CLE course $189 $___________________

ACNA Nurse Course—Member $125 $___________________

Non-member $200 $___________________

**TOTAL ENCLOSED:** $___________________

Both preconference workshop registration and conference registration include materials, refreshment breaks and lunch.

Registration also available online at www.medicalcannabis.com.

For simulcast information and registration, visit our website

Do you have any dietary restrictions? or special needs because of a handicap or disability?

Enclosed is my completed form and check made payable to Patients Out of Time. ☐ Charge to my credit card account:

☐ MasterCard ☐ Visa

Account Number ___________________________ Exp. Date _____________

Signature ____________________________________________________

Return form and payment by mail to: Patients Out of Time

c/o MACA
319 E. 17th Street

The Dalles, OR 97058

* Advance conference registration is advised as seating is limited. Students and late registrants may be asked to move to simulcast room

Cancellation Policy: Refunds, less a $50 handling fee, will not be made after April 25, 2014.

Handicapped parking and facilities are provided. Service/therapy animals are welcome.

**Other Events**—check our website for updates on music and film events, discounted rooms, wine tastings, and other activities.

**Lodging**

Portland University Place Hotel includes 235 spacious rooms, amenities like high-speed Internet, min refrigerator, microwave, and a fitness center. We have negotiated a super rate for the hotel. Transport will be available for those with limited mobility.

We have negotiated a super rate of $99/night (standard) and $119/night (deluxe). Includes two full breakfasts (additional breakfast tickets available for $10). Pet-friendly rooms are available for a $25 fee. All rooms have windows that open. Please note that Patients Out of Time will be blocking these rooms.

**Exhibitor Registration**

See online form at http://medicalcannabis.com/Conference-Registration/exhibitor-form

Advance conference registration is advised since seating shall be limited. Full conference registration fees include all program material and all refreshment breaks.

Disclosures: The educational content of the conference and the selection of the faculty are the responsibility of the course planning committee. All faculty and invited speakers participating in a UCSF sponsored CME activity and an ACNA sponsored CME activity and an ACNA sponsored CME activity and an ACNA sponsored CME activity and an ACNA sponsored CME activity and an ACNA sponsored CME activity have disclosed any relevant financial relationships with commercial support entities. All potential conflicts of interest have disclosed any relevant financial relationships with commercial support entities. All potential conflicts of interest have disclosed any relevant financial relationships with commercial support entities. All potential conflicts of interest have disclosed any relevant financial relationships with commercial support entities. All potential conflicts of interest have disclosed any relevant financial relationships with commercial support entities. All potential conflicts of interest have disclosed any relevant financial relationships with commercial support entities.

Venue: National College of Natural Medicine is graciously hosting for Saturday’s conference. NCM is the oldest accredited naturopathic medical college in North America, and is conveniently located just blocks from the Hotel. Transport will be available for those with limited mobility.

Travel: The hotel is a 35 minute drive from the Portland Airport. Other transport is available by Tram (light rail ($.25), Taxi (~ $35), or shuttle van (~$25).