

## Photodynamic Therapy - Hynes 210

1:00 pm - 5:30 pm

Section Chairs: *Macrene R. Alexiades-Armenakas, M.D., Ph.D., \* Ron R. Allison, M.D.*

### Educational Needs

This session will review fundamentals of PDT mechanisms of action, current therapeutic interventions and potential future applications.

### Participants

The activity is designed for clinicians, scientists and students interested in photodynamic therapy.

### Background Requirements

No special background requirements of the prospective participants are required.

### Instructional Content and/or Expected Learning Outcomes

This session will deliver state of the art clinical and basic science findings for photodynamic therapy. Invited experts will also review current and future applications for PDT. It is expected that participants will identify gaps in their knowledge, competence and performance.

### Hot Topics

- Techniques to improve clinical outcomes of PDT
- Means to minimize treatment related side effects
- State of the art illumination techniques
- PDT, gene therapy and nanoparticles
- Viral ghost PDT

1:00 pm - 1:14 pm

PDT MECHANISMS

*Ron Allison, Greenville, NC*

### INVITED SPEAKER

1:15 pm - 1:29 pm

PDT LIGHT SOURCES

*Thomas S. Mang, SUNY at Buffalo School of Dental, Buffalo, NY*

1:30 pm - 1:39 pm

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NON-SELECTIVE UP-REGULATION OF THE CUTANEOUS RESPONSE WITH AMINOLEVULINIC ACID AND HEXYL-AMINOLEVULINIC ACID, PHOTODYNAMIC THERAPY BY TOPICAL RETINOLDS

*Emil Tanghetti\*, Margo Tanghetti, Center for Dermatology and Laser Surgery, Sacramento, CA*

1:40 pm - 1:49 pm

174

THE EFFECT OF MULTIPLE SEQUENTIAL LIGHT SOURCES TO ACTIVATE AMINOLEVULINIC ACID IN THE TREATMENT OF ACNE VULGARIS

*Daniel P. Friedmann, Sabrina G. Fabi\*, Mitchel P. Goldman\*, Isabella Guiha, Goldman, Butterwick, Fitzpatrick, Groff & Fabi Cosmetic Laser Dermatology, San Diego, CA*

1:50 pm - 1:59 pm

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THE EFFECT OF MULTIPLE SEQUENTIAL LIGHT SOURCES TO ACTIVATE AMINOLEVULINIC ACID IN THE TREATMENT OF ACTINIC KERATOSES

*Mitchel P. Goldman\*, Daniel P. Friedmann, Sabrina G. Fabi\*, Isabella Guiha, Goldman, Butterwick, Fitzpatrick, Groff & Fabi Cosmetic Laser Dermatology, San Diego, CA*

**Photodynamic Therapy (continued) – Hynes 210**

**1:00 pm – 5:30 pm**

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|-------------------|-----|--|
| 2:00 pm – 2:09 pm | 176 | <p><b>THE EFFECT OF MULTIPLE SEQUENTIAL LIGHT SOURCES TO ACTIVATE AMINOLEVULINIC ACID IN THE TREATMENT OF PHOTODAMAGE</b></p> <p><i>Daniel P. Friedmann, Sabrina G. Fabi*, Mitchel P. Goldman*, Isabella Guiha, Goldman, Butterwick, Fitzpatrick, Groff &amp; Fabi Cosmetic Laser Dermatology San Diego, CA</i></p>  |
| 2:10 pm – 2:19 pm | 177 | <p><b>THE EFFECT OF MULTIPLE SEQUENTIAL LIGHT SOURCES TO ACTIVATE AMINOLEVULINIC ACID IN THE TREATMENT OF ROSACEA</b></p> <p><i>Daniel P. Friedmann, Sabrina G. Fabi*, Mitchel P. Goldman*, Isabella Guiha, Goldman, Butterwick, Fitzpatrick, Groff &amp; Fabi Cosmetic Laser Dermatology San Diego, CA</i></p>  |
| 2:20 pm – 2:29 pm | 178 | <p><b>CONVENTIONAL vs FRACTIONAL LASER-MEDIATED PHOTODYNAMIC THERAPY OF DIFFICULT TO TREAT BASAL CELL CARCINOMAS - A RANDOMIZED CLINICAL TRIAL</b></p> <p><i>Christina S. Haak, Katrine Togsverd-Bo*, Daniel Thaysen-Petersen*, Hans Christian Wulf, Uwe Paasch, R. Rox Anderson*, Merete Haedersdal*, Bispebjerg Hospital, University of Copenhagen, Copenhagen, Denmark, University of Leipzig, Leipzig, Germany, Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA</i></p> |
| 2:30 pm – 2:44 pm |     | <b>Q&amp;A</b>   |
| 2:45 pm – 3:29 pm |     | <b>Break - Visit the Exhibits/Experts-in-the-Hall/ePosters</b>   |
| 3:30 pm – 3:39 pm | 179 | <p><b>MODELING OF PHOTODYNAMIC THERAPY FOR THE TREATMENT OF ACTINIC KERATOSIS</b></p> <p><i>Anne-Sophie Dewalle-Vignion, Serge Mordon**, Nacim Betrouni, Patrick Dubois, Maximilien Vermandel, University Lille Nord de France, INSERM U703, CHU Lille, Lille, France</i></p>  |
| 3:40 pm – 3:49 pm | 180 | <p><b>TARGETED CANCER GENE THERAPY BY STIMULI-RESPONSIVE AND PHOTOCHEMICALLY TRIGGERED INTRACELLULAR RELEASE OF PLASMID DNA</b></p> <p><i>Marlon Mathews, En-Chung Shih, Genesis Zamora, Chung-Ho Sun, Soo Cho, Young-Jik Kwon, Henry Hirschberg, University of California, Irvine, CA</i></p>   |
| 3:50 pm – 3:59 pm | 181 | <p><b>ADVANCED THERMO-FRACTIONAL PDT FOR NON-MELANOMA SKIN CANCER</b></p> <p><i>Leonardo Marini, Giuliana Crisman, SDC The Skin Doctors' Center, Trieste, Italy</i></p>  |

**INVITED SPEAKER**

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|-------------------|--|
| 4:00 pm – 4:19 pm | <p><b>ENHANCING PDT</b></p> <p><i>Amy F. Taub*, Advanced Dermatology, Lincolnshire, IL</i></p> |
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*\*\*Presenter*



# Photodynamic Therapy Session

Friday, April 5, 2013

2013 Annual Conference  
Pre-Conference Courses: April 3-4, 2013  
Annual Conference: April 5-7, 2013  
Sheraton Boston Hotel/Hynes Convention Center  
Boston, Massachusetts

Photodynamic Therapy (continued) - Hynes 210

1:00 pm - 5:30 pm

INVITED SPEAKER

4:20 pm - 4:39 pm

GLOBAL PERSPECTIVES OF PDT

*Michael H. Gold\**, Gold Skin Care Center, Nashville, TN

INVITED SPEAKER

4:40 pm - 4:59 pm

A NEW LIGHT SOURCE FOR PDT - LIGHT EMITTING FABRIC

*Serge Mordon*, University Lille Nord de France, INSERM U703, CHU Lille, Lille, France

5:00 pm - 5:19 pm

FUTURE OF PDT

*Macrene Alexiades-Armenakas\**, Dermatology and Laser Surgery, New York, NY

LATE-BREAKING ABSTRACT

5:20 pm - 5:30 pm

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EFFICACY AND SAFETY OF CONTINUOUS LOW IRRADIANCE PHOTODYNAMIC THERAPY IN THE TREATMENT OF CUTANEOUS RECURRENCE OF BREAST AND DERMAL MALIGNANCIES

*Sara Morrison, Roger Graham, Gary Rogers, Sam Hill, Lori Lynn Price, Janis Breeze, Christine Holcroft*, Tufts Medical Center, Boston, MA