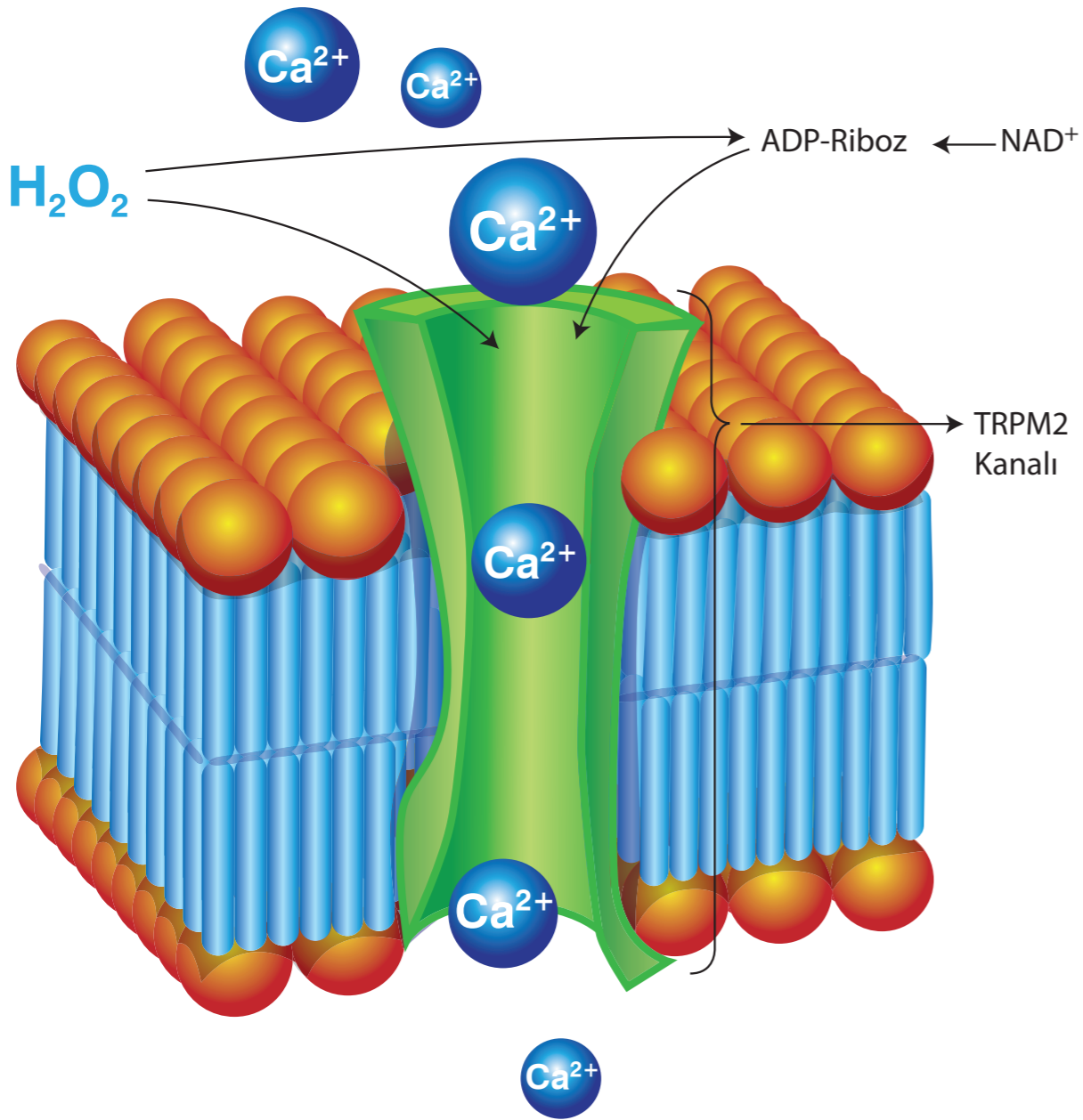




# 3. Uluslararası Hücre Zarları

ve Oksidatif Stres Kongresi: Kalsiyum Sinyali ve TRP Kanalları  
3<sup>rd</sup> International Congress on Cell Membranes and Oxidative Stress: Focus on Calcium Signaling and TRP Channels

22-27 Haziran 2010



## KURSLAR (TEORİK VE UYGULAMALI) (Her kurs 15'er kişi ile sınırlıdır)

### KURS A / Elektrofizyoloji / 12 Saat

- 1-Hücre Kültürü Ortamında Ca<sup>2+</sup> Sinyali Belirlenmesi
- 2-Patch-Clamp (Yama - Mentese) Yönteminin İyon Kanal Ölçümlerinde Kullanılması
- 3- Ratlarda EEG Kaydı Alınması

### KURS B / Hücre Kültürü / 12 Saat

- 1-Hücrelerin Dondurulması, Çözülmesi, Ekimi, Pasajlanması ve Deneylemler için Hazırlanması
- 2-Transfection İşlemi Yapılması
- 3-PC-12 Nöronal Hücre, HEK 293, CHO Hücreleri İşlemleri

### KURS C / Antioksidanlarda Vitamin Tayini / 12 Saat

- 1-Doku ve Kan Örneklerinde Vitamin A,C, E ve β-karoten Tayini

<http://www.cmos.org.tr>

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## KONUŞMACILAR

### Kalsiyum Sinyali ve Hastalıklar

**1- Natalia Preverskaya** ( Lille, Fransa )  
"Calcium signatures for prostate cancer staging"

**2-Loïc Lemonier** ( Lille, Fransa )  
"TRPM8 modulation during prostate cancer"

**3-Rosario Rizzuto** ( Ferrara, İtalya )  
"Calcium, mitochondria and the control of apoptosis and autophagy"

**4-José A. Pariente** ( Badajoz, İspanya )  
"Relationship between calcium signaling, reactive oxygen species and apoptosis"

**5-Ertuğrul Kılıç** ( İstanbul, Türkiye )  
"Drug delivery proteins and hypoxia in brain"

**6-Mohamed Trebak** ( New York, ABD )  
"STIM / Orai-mediated calcium entry in the vascular function"

**7-Madesh Muniswamy** ( Philadelphia, ABD )  
"Is ER Ca<sup>2+</sup> signaling the portal to mitochondrial dysfunction and vascular stress?"

### İkincil Haberciler

**1-James W. Putney** ( Carolina, ABD )  
"Calcium channels in non-excitable cells"

**2-David I.Yule** ( New York, ABD )  
"Regulation of Ca<sup>2+</sup> release through inositol trisphosphate receptors by cytosolic ATP"

### TRP Kanallarının Fizyoloji ve Patolojisi

**1-Indu S. Ambudkar** ( Bethesda MD, ABD )  
"Distinct function of TRPC1-SOC channels in salivary epithelial cells "

**2-Felix Viana** ( Alicante, İspanya )  
"The role of TRPM8 and TRPA1 channels in the transduction of cold temperatures at mammalian nerve endings"

**3-Alexander Dietrich** ( Marburg, Almanya )  
"Hypoxia induced production of reactive oxygen species and TRPC6-activation in pulmonary arterial smooth muscle and endothelial cells"

**4-Peter McNaughton** ( Cambridge, İngiltere )  
"Cold and heat - the Yin and Yang of inflammatory pain"

**5-Klaus Groschner** ( Graz, Avusturya )  
"Novel aspects of TRPC pathophysiology"

**6-Vincenzo Di Marzo** ( Naples, İtalya )  
"Brain TRPV1 channels: Potential role and cross-talk with CB1 receptors"

**7-Mustafa Naziroğlu** ( Isparta, Türkiye )  
"Molecular roles of TRPM2 channels in pathophysiology of neurological diseases"

### Oksidatif Stres ve İyon Kanalları

**1-Michele Mazzanti** ( Milano, İtalya )  
"Chloride current during beta-amyloid oxidative stress generation in microglia"

**2-Mitsu Ikura** ( Toronto, Kanada )  
"Structural basis for intracellular calcium sensing and regulation"

**3-Martyn Mahaut-Smith** ( Leicester, İngiltere )  
"The role of ion channels in platelet activation"

**4-Christian Schoneich** ( Kansas, ABD )  
"Modulation of SERCA function through redox processes, Bcl-2 and Hsp 70"

**5-Joseph Burgoyne** ( Boston, ABD )  
"Redox regulation of protein kinases A and G: From detection to functional consequences"

**6-Michael Davies** ( Sydney, Avustralya )  
"Myeloperoxidase, oxidants and damage to ion pumps"

**7-Bernard Friguet** ( Paris, Fransa )  
"Oxidized protein degradation and repair in aging and oxidative stress"

**8-Neven Zarkovic** ( Zagreb, Hırvatistan )  
"Lipid peroxidation and 4-hydroxynoneal as a second messenger of ROS"

### Antioksidanlar

**1-Sergio D. Paredes** ( Badajoz, İspanya )  
"Melatonin: Helping cells cope with oxidative disaster"

**2-Ahmet Korkmaz** ( Ankara, Türkiye )  
"Melatonin in the treatment of breast cancer"

**3-Cem Ekmekçiöglü** ( Vienna, Avusturya )  
"Melatonin receptors in human cancer: State of the art and future perspectives"

**4-Özcan Erel** ( Ankara, Türkiye )  
"New, easy, applicable tests on analysis of antioxidant and oxidant levels in biological systems"

**5-Hüseyin Bağcı** ( Antalya, Türkiye )  
"General problems and ethical resolution advices in molecular and genetic studies"

### Elektromanyetik alan & Radyasyon ve Kalsiyum Sinyali

**1-Giorgio Aicardi** ( Bologna, İtalya )  
"Effect of electromagnetic fields on neuronal voltage-gated calcium channels and synaptic transmission"