Palmer Taylor

Scientist, Scholar, Mentor and Dean

Palmer Taylor Laboratory

Est. 1971
Division of Pharmacology
School of Medicine
UCSD

Palmer Taylor Laboratory

Cholinesterases
structure/activity

Nicotinic ACh Receptor
structure/function

Neuroligins
structure/function

Palmer Taylor Laboratory

Cholinesterases

structure/activity

Palmer Taylor Laboratory

Cholinesterases

structure/activity

1973 – AChE peripheral site ligand characterization
S. Camp, M. Bolger, H. Berman, G. Amitai

1986 – AChE primary and secondary structures
M. Schumacher, S. Camp, Y. Maulet, M. Newton K. MacPhee-Quigley, G. Gibney, S. Taylor

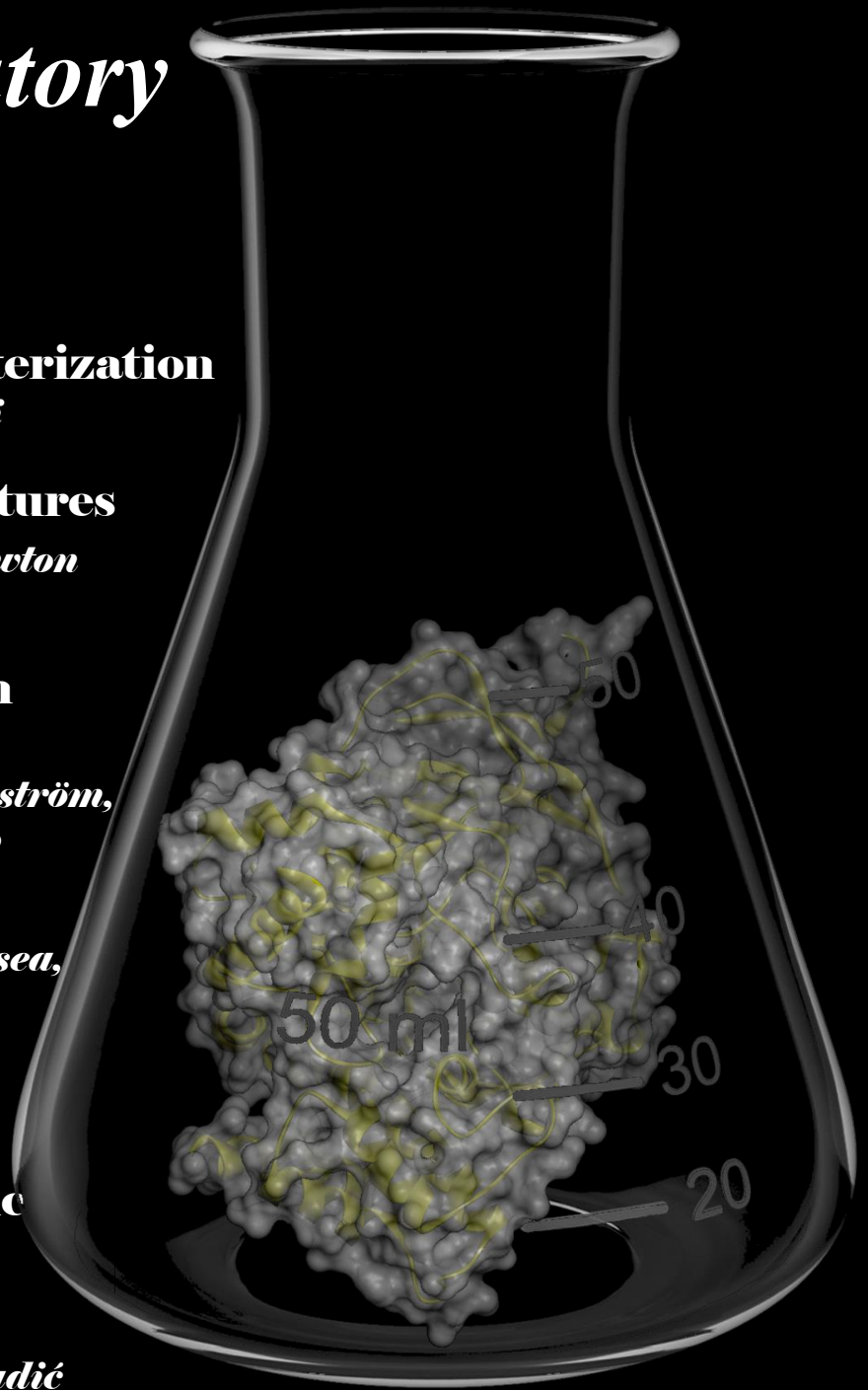
1988 – AChE gene structure and regulation
Y. Li, M. Schumacher, S. Camp, Y. Maulet, T. Rachinsky, G. Gibney, D. Getman, T. Ekström, M. Newton, A. Mutero, D. Luo, A. De Jaco

1990 – AChE binding sites and specificity
G. Gibney, D. Vellom, Y. Li, Z. Radić, N. Hosea, A. Boyd, J. Shi, L. Wong

1995 – AChE tertiary structure
P. Marchot, Y. Bourne

2005 – AChE knock-out and transgenic mic
S. Camp, O. Lockridge, E. Krejci

2011 – Centrally active oxime antidotes
K.B.Sharpless, Z. Kovarik, V. Fokin, Z. Radić



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Nicotinic ACh Receptor

structure/function

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Nicotinic ACh Receptor

structure/function

1976 – nAChR kinetics, binding sites characterization

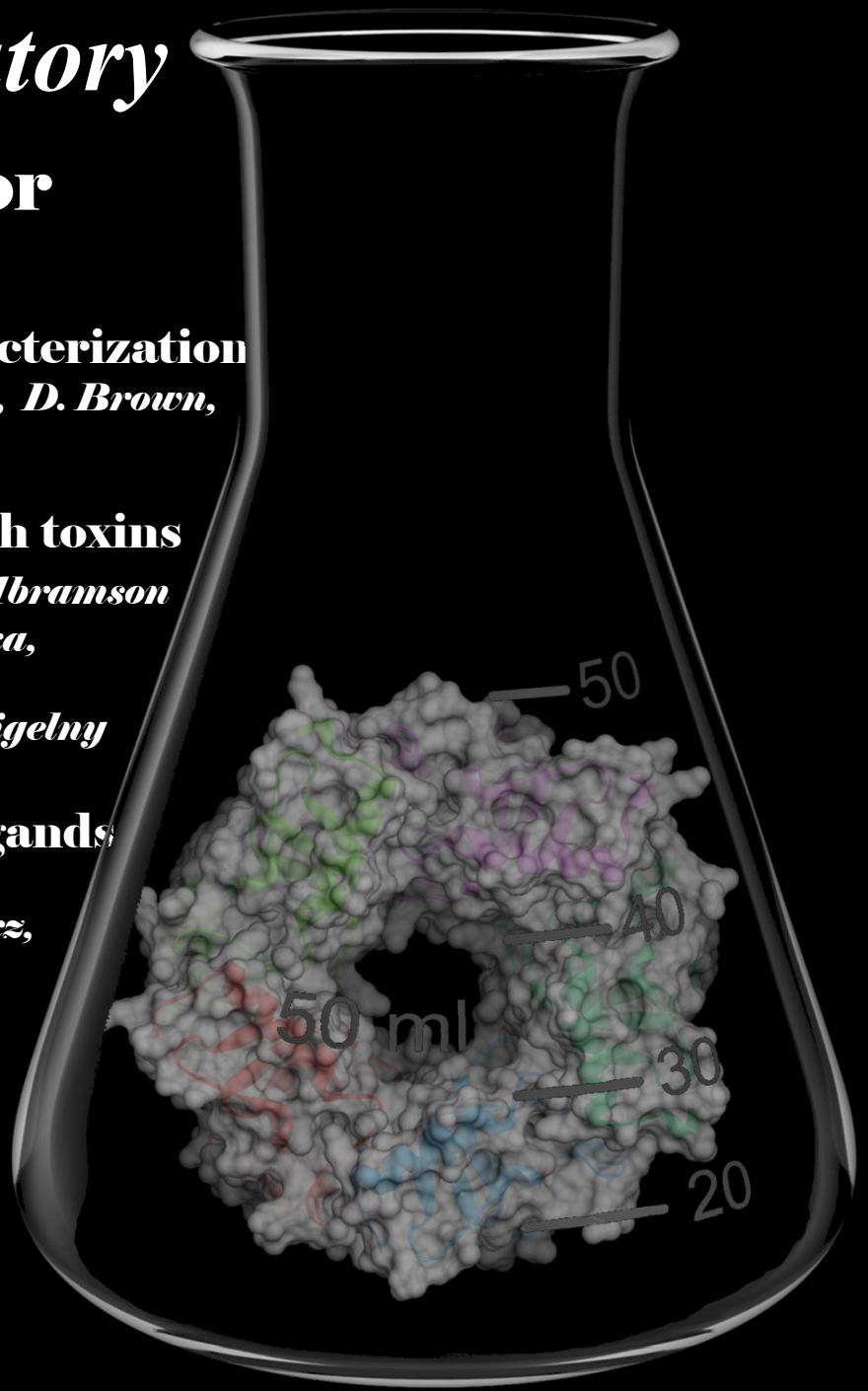
G. Weiland, S. Camp, H. Berman, G. Amitai, D. Brown, K. Ambler

1980 – nAChR specificity : interactions with toxins

S. Sine, D. Johnson, J. Herz, P. Culver, S. Abramson H. Kreienkamp, S. Keller, I. Khan, H. Osaka, C. Kawanishi, N. Sugiyama, H. Hasegawa, B. Molles, S. Malany, E. Ackermann, I. Tsigelny

2002 – ACh Binding Protein structures ligands

S. Hansen, T. Talley, R. Hibbs, Y. Bourne, P. Marchot, J. Shi, J. Yamauchi, A. Nemecz, K. Kaczanowska, K. Arunrungvichian , M. Harel , J.-P. Changeux



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Neuroligins

structure/function

Palmer Taylor Laboratory

Neuroligins

structure/function

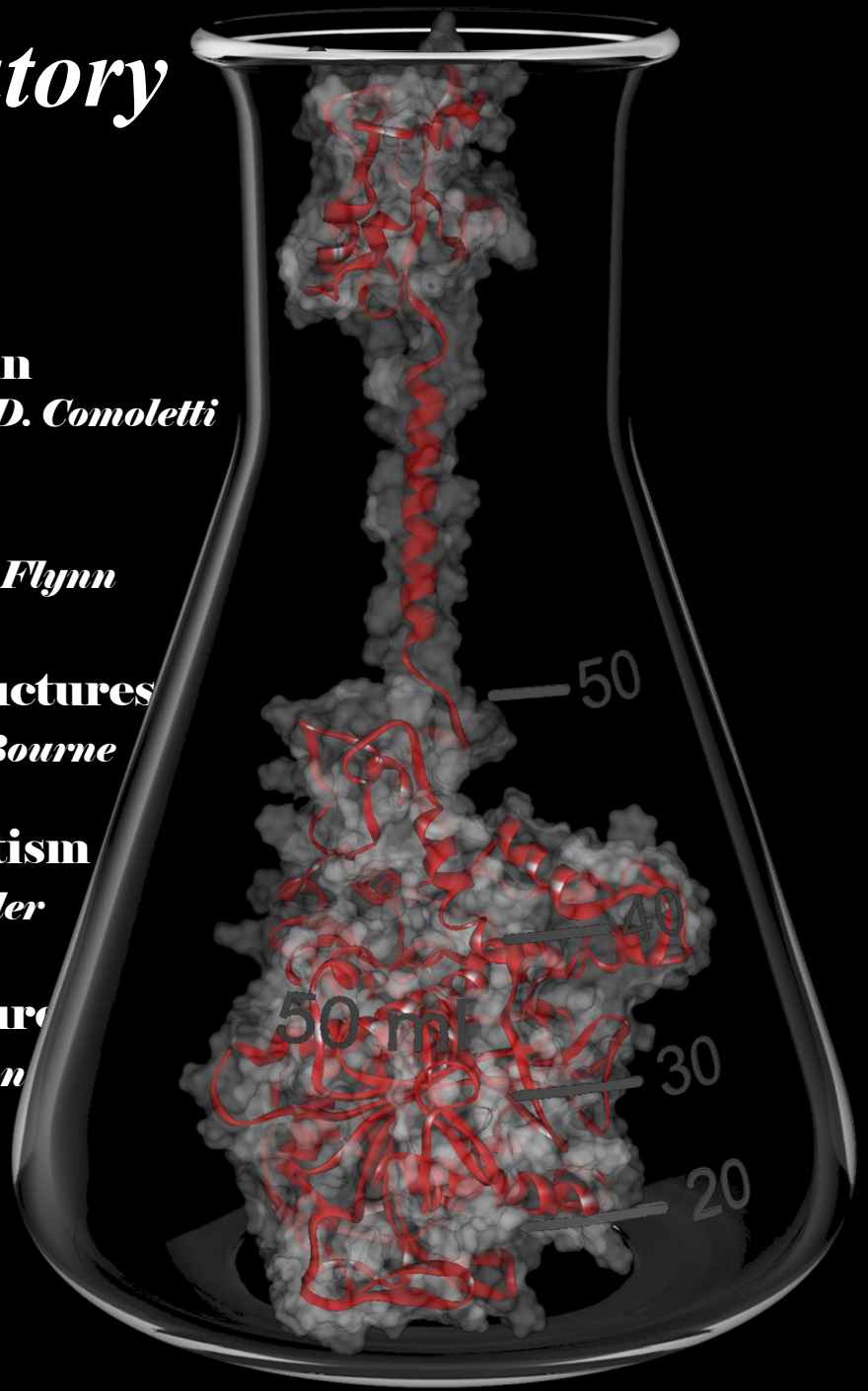
2000 – Interactions with Ca^{2+} and neurexin
I. Tsigelny, H. Hasegawa, T. Matsumura, D. Comoletti

2004 – Associations with autism
D. Comoletti, A. De Jaco, L. Jennings, R. Flynn

2004 – Secondary, tertiary,quaternary structures
D. Comoletti, L. Jennings, P. Marchot, Y. Bourne

2008 – Protein processing, folding and autism
A. De Jaco, N. Dubi, D. Comoletti, M. Miller

2012 – Neurexin, tertiary and quat. structure
M. Miller, D. Comoletti, M. Harel, J. Wilson



some of sabbatical visitors to the Taylor Lab

Dr. B.P.Doctor WRAIR

Prof. Quinn Iowa

Prof. Changeux Pasteur

Prof. Voet Swarthmore

Prof. Hammock UC Davis

Dr. Ashani Weizmann

Prof. Franca Rio

Prof. Pezzementi Birmingham

Dr. Marchot Marseilles

Prof. McArdle Rutgers

Dr. Harel Weizmann


SpectraKinetic
Monochromator
Applied Photophysics
PHENIX

In particular the French connection has been strong ...

Indeed, 6 years of annual collaborative exchanges between Jean Pierre Changeux and Palmer Taylor resulted in Dr. Taylor being awarded France's highest honor,

the Legion of Honor

Legion of Honor Ceremony, 2014

The 6th International Meeting on Cholinesterases Palmer Taylor organized in 1998 in La Jolla

Leadership at UCSD: from Division of Pharmacology to School of Pharmacy

1971 – Assistant Professor, Division of Pharmacology

1979 – Head, Division of Pharmacology

1987 – Founding Chair, Department of Pharmacology

2002 – Founding Dean, Skaggs School of Pharmacy