baturday Ev	vening, May 6			
7:00-17:15	Introduction and Wel Ian Wilson and Andrej Sa			
17:15-18:00	Keynote Lecture Peter Walter	UCSF	From protein folding to cognition: a serendipitous path of discovery	
18:00-18:10	Self-IntroductionsJeanne BakerMerckJonathan MooreVertex Pharmaceuticals			
18:10-20:45	Short Presentations (: (Chair: Gabe Lander)	la de la companya de	RI and UCSF Graduate Students, Postdocs and Other Researchers	
	Cristina Puchades Garcia	TSRI	Mitochondrial inner membrane AAA proteases	
	Alexander Krois	TSRI	Versatility through flexibility-p53 and intrinsic disorder	
	Jennifer Kefauver	TSRI	Architecture of the volume-regulated anion channel	
	<b>Christopher Cottrell</b>	TSRI	Modeling glycans into EM density	
	Ke Yang	TSRI	Structural basis of cooperativity in a hematopoietic transcription factor: Coactivator ternary complex	
	Danielle Grotjahn	TSRI	Three-dimensional snapshots of the dynein-dynactin complex	
	Sergey Shnitkind	TSRI	Regulation of a transcription factor	
	Emily Roncase	TSRI	Insights into activation and substrate selectivity of a clostripain-like protease from <i>B. thetaiotaomicron</i>	
	Sasha Moola Brook	TSRI	Crystallographic characterization of a novel family of broadly neutralizing anti-HIV antibodies	
	Break Louise Heinrich	UCSF	OP ACL 2.0: Casting a Wider Nat	
	Louise Heinrich Buth Huttonhoin	UCSF UCSF	ORACL 2.0: Casting a Wider Net	
	Ruth Huttenhain Chien-Hsiang Hsu	UCSF UCSF	An approach to spatiotemporally resolve protein interaction networks in living cells Want early retirement? Check your p21.	
	Matthew Ravalin	UCSF	Linking caspases & proteostasis networks through TPR domains	
	Brooke Gardner	UCSF	Molecular motors involved in peroxisome biogenesis	
	Natalia Sevillano	UCSF	Identification of inhibitory antibodies for active urokinase plasminogen activator (uPA)	
	Bryan Thurtle-Schmidt	UCSF	The elevator mechanism: a model for transport by SLC4 anion exchangers	
	Jordan Carelli	UCSF	Anti-cancer cyclic peptides trap distinct conformational states of ribosome-bound elongation factor 1A	
	Lina Leon	UCSF	Defining Cas3 recruitment in a minimal system	
	Krisna Van Dyke	UCSF	Characterizing the structural basis of bacterial cell wall recognition	
	Aditya Anand	UCSF	Structural insights into the activity of a memory-enhancing compound	
	Ilan Chemmama	UCSF	Towards modeling multiple states of biomolecules satisfying spatial restraints from single-particle EM	
	Jain-Hua Chen	UCSF	Imaging and characterizing the relationship between cell size and nuclear shape	
			Utilizing chemoproteomic profiling to discover anti-cancer covalent ligands and druggable hotspots	
	Allison Roberts	UC Berkeley		
	Assen Rougev	UCSF	Genetic interactions mapping in mammalian cells using CRISPRi	

## WMEN CABO XXVII, May 6-10, 2017

Sunday Mo	orning, May 7		Integrative Structural Biology (Chair:Robert Stroud)				
08:40	Andrej Sali	UCSF	Integrative structural biology				
09:00	Jeff Lengyel	FEI	In situ structural biology - Advances in cryo-electron tomography				
09:20	Gabriel Lander	TSRI	Electron microscopy of molecular motors in motion				
09:40	Mark Yeagar	TSRI	MicroED structure of a CTD-SP1 construct of HIV-1 Gag with maturation inhibitor Bevirimat				
10:00	<b>Bo Huang</b>	UCSF	Watching the inner life of a cell: CRISPR, GFP and Imagenomics				
10:20	Break						
10:40	Kendall Nettles	TSRI	Super-resolution X-ray crystallography for deciphering ligand-induced allostery				
11:00	Peter Wright	TSRI	Allosteric regulation of the hypoxic response by an intrinsically disordered protein switch				
11:20	Jane Dyson	TSRI	Intrinsically disordered viral proteins and cancer				
11:40	Patrick Griffin	TSRI	Chemical biology and differential HDX to probe ligand mediated receptor signaling				
12:00	Takanori Otomo	TSRI	Structural insight into the membrane associations required for autophagosome biogenesis				
Sunday Aft	ernoon		Antibodies. Viruses, Epitopes and Vaccines (Chair: Ian Wilson)				
16:00	Dennis Burton	TSRI	Evaluating HIV vaccine immunogens				
16:20	Andrew Ward	TSRI	Structure-guided immunogen design				
16:40	Andy Deng	BMS	V gene germiline encoded binding				
17:00	Charly Craik	UCSF	Targeting dynamic protein targets with antibodies for structural and functional insight				
17:20	Jack Johnson	TSRI	Archeal virus structure				
17:40	Break	ISIA					
			Membrane Proteins (Chair: Andrew Ward)				
18:00	Dan Minor	UCSF	Insights into ion channel mechanism and structure				
18:20	Dennis Wolan	TSRI	Inhibitors of bacterial lipoprotein signal peptidase as novel antibiotics				
18:40	Robert Stroud	UCSF	Integrating cell health into endolysosomal targeting and delivery, QED!!				
19:00	David Millar	TSRI	Conformational dynamics of GPCRs				
19:20	Matthew Francis	UC Berkeley	Targeting the N-terminus for site-selective protein bioconjugation				
20:00-22:30							
Monday M	orning, May 8		SPONSORS (Chair: Andrej Sali)				
00.00	Store Dahaustain	Nalatan	NIZTO 191. Seventine englancia from abuse liability of aniside				
09:00	Steve Doberstein	Nektar	NKTR-181: Separating analgesia from abuse liability of opioids				
09:20	Jeremy Murray	Genentech	Breaking down barriers: Structural biology of lipoprotein biosynthesis in bacteria				
09:35	Paola Di Lello	Genentech	Discovery and characterization of small molecule fragments that bind and inhibit the USP7				
09:50 10:20	Jeff Finer/ Jeff Tong	3 <sup>rd</sup> Rock Ventures	Third Rock Ventures: Company building strategy and examples of current projects				
	Glen Spraggon Paul Marinec	GNF	Proteasome inhibitors for the treatment of Leishmaniasis, Chagas Disease and Sleeping Sickness				
10:40		Reflexion	Development of a potent D-protein Inhibitor of VEGF-A with reduced immunogenicity and a longer half-life				
11:00	James Partridge	GBT	Structures of full-length plasma kallikrein bound to highly specific inhibitors illustrate a new mode of targeted inhibition				
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<b>11:20</b> 11:40 12:00 12:20	Break Cornelia Bellamacina James Love Kathleen Aertgeerts	Novartis Atum DART Neuroscience	Discovery of chemical biology probes inhibiting activation of SGK3 kinase in cancer cells Optimization of protein production in human cells Rapid optimization of recombinant GPCR protein expression and stability using virus-like particles
Monday Af	ternoon		Nucleic Acids, Nucleic Acid Binding Proteins & Evolution (Chair: David Millar)
16:00 16:20 16:40 17:00 17:20 <b>17:40</b>	Jamie Williamson Carolyn Larabell Floyd Romesberg Larry Gerace Libby Getzoff Break	TSRI UCSF TSRI TSRI TSRI	Quantitative analysis of ribosomal RNA modifications in human cells Chromatin structure, from stem cell to tumor cell A semi-synthetic organism that stores and retrieves increased genetic information Signaling control at the nuclear periphery Deciphering functional insights from related protein structures and sequences
			Chemical Biology (Chair: Kathleen Aertgeerts)
18:00 18:20 18:40 19:00 19:20	Jack Taunton Qinghai Zhang Daniel Nomura Jason Gestwicki Lani Wu	UCSF TSRI UC Berkeley UCSF UCSF	How to be selectively promiscuous Novel amphiphiles for membrane protein studies Mapping disease-relevant druggable hotspots using chemoproteomic platforms Control of tau homeostasis by chaperone networks The prophesies of ORACLs
Tuesday M	orning, May 9		Computation, Health and Disease (Chair: Carolyn Larabell)
<b>08:30</b> 08:50 09:10 09:30 09:50 10:10 10:30 10:50	William DeGrado Steven Altschuler Stefano Forli Nevan Krogan Ahmet Yildiz Joseph Bondy-Denomy Seemay Chou Arthur Olson	UCSF UCSF TSRI UCSF UC Berkeley UCSF UCSF TSRI	Structure and function of amyloid- and prion-forming proteins GSK3 - The center of the universe Design of virtual large focused libraries of HIV-1 Integrase inhibitors Using systems approaches to studying disease The mechanism of dynein motility Bacterial viruses thwart CRISPR-Cas bacterial immune systems From bacteria to ticks: lessons in antimicrobial defense Envisioning the molecular cell
11:15	Ian Wilson and And	rej Sali	Closing Remarks

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