



SERVICE ABOVE SELF



Member Directory							
Last	First	Partner	Phone	Email	PHF	LDR	Joined
1	Horne	Tom	703-777-3430	<a href="mailto:THORNE1066@verizon.net">THORNE1066@verizon.net</a>	PHF+2	P97	2/1/1980
2	Worcester	Dean	540-687-1123	<a href="mailto:deansworcester@gmail.com">deansworcester@gmail.com</a>	PHF+2	P87	2/1/1980
3	Mitchell	Jeff	540-338-5718	<a href="mailto:Jeff@mccocpa.com">Jeff@mccocpa.com</a>	PHF+1	P02	11/1/1985
4	Jacobson	Jake	703-508-4528	<a href="mailto:gerhardhmltn@aol.com">gerhardhmltn@aol.com</a>	PHF+6	P02	6/1/1989
5	Shinal	Tom	540-327-7312	<a href="mailto:shinalt@gmail.com">shinalt@gmail.com</a>	PHF+1	P98	12/1/1991
6	Carnevale	Ernie	540-664-5210	<a href="mailto:1313ejc@gmail.com">1313ejc@gmail.com</a>	PHF+2	P95	7/1/1992
7	Daley	Phil	540-338-6528	<a href="mailto:phildaley40@gmail.com">phildaley40@gmail.com</a>	PHF+3	P96	12/11/1992
8	Maloney	Chuck	571-209-9586	<a href="mailto:Charles.P.Maloney@ampf.com">Charles.P.Maloney@ampf.com</a>	PHF+1	P99	1/1/1994
9	Krisa	Steve	540-454-6502	<a href="mailto:Skrisa@yahoo.com">Skrisa@yahoo.com</a>	PHF+1	P04	1/1/1995
10	Maloney	Carole	540-338-3445	<a href="mailto:carolehmaloney@msn.com">carolehmaloney@msn.com</a>	PHF+2	P06	3/1/1996
11	Nunnally	Warren	703-779-1736	<a href="mailto:wunnally@aol.com">wunnally@aol.com</a>	PHF+1		2/14/1998
12	Rusciolelli	Phil	703-431-3859	<a href="mailto:Pbrusciolelli@aol.com">Pbrusciolelli@aol.com</a>	PHF+2	P07	1/1/1999
13	Liggett	Roy	703-777-8338	<a href="mailto:RoyLiggett@verizon.net">RoyLiggett@verizon.net</a>	PHF+1		11/1/2000
14	Russell	Wiley	703-777-7067	<a href="mailto:wileyrussell39@gmail.com">wileyrussell39@gmail.com</a>	PHF+1		1/3/2003
15	Bowden	Charlie	703-729-0679	<a href="mailto:texacqie52@gmail.com">texacqie52@gmail.com</a>	MD1	DG97	6/23/2005
16	Fristad	A. Chris	540-229-0473	<a href="mailto:cfristad@earthlink.net">cfristad@earthlink.net</a>	PHF+3	P11	10/27/2005
17	Rogos	Ron	703-609-2193	<a href="mailto:rcrogos@mac.com">rcrogos@mac.com</a>	PHF+6	P09	12/8/2005
18	Gable	Jim	703-431-1916	<a href="mailto:jable3044@gmail.com">jable3044@gmail.com</a>	PHF+3	P18	2/1/2007
19	Hampton	Dan	703-915-4902	<a href="mailto:dlhampton@hotmail.com">dlhampton@hotmail.com</a>	PHF+2	P16	10/1/2008
20	Reavis	Chuck	703-401-8891	<a href="mailto:reavisaviation@aol.com">reavisaviation@aol.com</a>	PHF+4	P14	7/22/2009
21	Struba	Dave	703-737-7799	<a href="mailto:dkigstruba@verizon.net">dkigstruba@verizon.net</a>	PHF		9/17/2009
22	Webber	George	703-777-5875	<a href="mailto:webber_ge@msn.com">webber_ge@msn.com</a>	PHF+1		3/25/2010
23	Forsythe	Hugh	571-213-4407	<a href="mailto:Forsythehugh@gmail.com">Forsythehugh@gmail.com</a>	PHF+2		3/10/2011
24	Banks	Pam	703-443-1035	<a href="mailto:pamela_u_banks@yahoo.com">pamela_u_banks@yahoo.com</a>	PHF		11/17/2011
25	Beaudoin	Valerie	571-246-7092	<a href="mailto:valerie.beaudoin@gmail.com">valerie.beaudoin@gmail.com</a>	PHF+8	P20	4/11/2013
26	Rust	John	703-777-1139	<a href="mailto:johnrust51@gmail.com">johnrust51@gmail.com</a>	PHF		8/1/2013
27	Moody	Howard	703-777-6757	<a href="mailto:moodyhovws@verizon.net">moodyhovws@verizon.net</a>	PHF+1		8/8/2013
28	Burns	W. Matt	540-668-6178	<a href="mailto:wmattburns@yahoo.com">wmattburns@yahoo.com</a>	PHF		3/6/2014
29	Jollon	Richard	703-608-8781	<a href="mailto:rtjollon@gmail.com">rtjollon@gmail.com</a>	PHF		3/6/2014
30	Irchenhauser	Monika	Joe	<a href="mailto:m.irchenhauser@gmail.com">m.irchenhauser@gmail.com</a>	PHF		3/20/2014
31	Mallin	Chris	Brooke	<a href="mailto:cmallin@gmail.com">cmallin@gmail.com</a>	PHF		11/20/2014
32	Whisler	John	MaryLou	<a href="mailto:mactier1@msn.com">mactier1@msn.com</a>	PHF+2		7/23/2015
33	Sadak	Buddy	Liz	<a href="mailto:buddvsadak@aol.com">buddvsadak@aol.com</a>	PHF		10/29/2015
34	Welt	Ariel	423-863-2277	<a href="mailto:amwelt@aol.com">amwelt@aol.com</a>	PHF		10/29/2015
35	Chapin	Steve	Julie	<a href="mailto:schapinir@jarsllc.com">schapinir@jarsllc.com</a>	PHF+4	P22	1/21/2016
36	Blessing	Bill	Jeannine	<a href="mailto:bblessingsr@gmail.com">bblessingsr@gmail.com</a>	MD1		2/25/2016
37	Roberts	Bruce	Rachel	<a href="mailto:BTRRRPH@gmail.com">BTRRRPH@gmail.com</a>	PHF+3	P21	4/7/2016
38	Irby	Jeanette	Greg	<a href="mailto:jeanetteirby@gmail.com">jeanetteirby@gmail.com</a>	PHF		5/4/2017
39	Scheffer	Lynde	Lou	<a href="mailto:LyndeScheffer@gmail.com">LyndeScheffer@gmail.com</a>	MD1		8/31/2017
40	Wyser-Pratte	Maryse	Michael	<a href="mailto:marysewp@aol.com">marysewp@aol.com</a>	PHF+5		9/21/2017
41	Edmonds	Tom	Sky	<a href="mailto:tomedmonds@aol.com">tomedmonds@aol.com</a>	PHF		7/2/2018
42	Kimball	John	Lori	<a href="mailto:john@johnkimballgroup.com">john@johnkimballgroup.com</a>	PHF		4/11/2019
43	Boling	Joe	Debbie	<a href="mailto:06iboling@gmail.com">06iboling@gmail.com</a>	PHF+1		6/29/2019
44	Diliberto	Mike	Pauline	<a href="mailto:mdiliberto@ipc.com">mdiliberto@ipc.com</a>			7/25/2019
45	MacLean	Doug	Linda	<a href="mailto:dmaclean70@comcast.net">dmaclean70@comcast.net</a>	PHF		9/19/2019
46	Vaka	Pete	Barbara	<a href="mailto:pvaka@gmail.com">pvaka@gmail.com</a>	PHF+1		6/19/2021
47	Manas	Howard		<a href="mailto:howmanas@aol.com">howmanas@aol.com</a>	MD1		8/5/2021
48	Baker	Reggie	Buzz	<a href="mailto:rbaker4478@aol.com">rbaker4478@aol.com</a>	PHF		12/18/2021
49	Morgan	Dave	JoAnn	<a href="mailto:morgan8991205@att.net">morgan8991205@att.net</a>	PHF+4		2/24/2022
50	Swietlik	Dariusz	Barbara	<a href="mailto:dswietlik@verizon.net">dswietlik@verizon.net</a>			4/7/2022
51	Fatt	Wade Hoo	Andrea	<a href="mailto:wadefatt@gmail.com">wadefatt@gmail.com</a>			5/19/2022
52	Ganci	Joe	Ivana	<a href="mailto:jganci@gmail.com">jganci@gmail.com</a>			5/19/2022
53	Treat	Brian	Chris	<a href="mailto:B_Treat@yahoo.com">B_Treat@yahoo.com</a>			5/19/2022
54	Parva	Behzad		<a href="mailto:bparva@gmail.com">bparva@gmail.com</a>			9/8/2022
55	Solitario	Tom	Leslie	<a href="mailto:TomSolitario@gmail.com">TomSolitario@gmail.com</a>			1/5/2023
56	Williams	Fred	Kate	<a href="mailto:Fredwilliams5447@gmail.com">Fredwilliams5447@gmail.com</a>	PHF+1	P17	1/25/2023
57	Jones	Gary		<a href="mailto:gliones468@gmail.com">gliones468@gmail.com</a>			2/16/2023
58	Marks	Spider	Marty	<a href="mailto:spidermarks75@gmail.com">spidermarks75@gmail.com</a>			3/9/2023
59	Ivey	Ashley		<a href="mailto:ashlevivev@icareinc.com">ashlevivev@icareinc.com</a>			3/9/2023
60	Clark	Ron		<a href="mailto:rclark57@aol.com">rclark57@aol.com</a>			4/6/2023

PHF = Paul Harris Fellow, +1 = additional PHF, MD = Major Donor, P## = past club president year

Rotary  
Club of Leesburg  
Established May 24, 1927



The Spokesman

April 13, 2023

Tonight's Program:

Dr. Stern discusses research into Bicycle Proteins and their impact on agriculture

I have studied many biological questions at the interface of genetics, behavior, and evolutionary biology starting with my undergraduate studies at Cornell University and continuing through my PhD studies at Princeton University and my post-doctoral work at Cambridge University. My work has combined study of natural insect populations in Panama, Costa Rica, Japan, Taiwan, Malaysia, and Indonesia with molecular studies of insect genomes. I returned to Princeton University as an Assistant Professor in 2001 and was appointed a Howard Hughes Medical Institute Investigator in 2008. In 2011, I was recruited to the Janelia Research Campus of the Howard Hughes Medical Institute, in Ashburn, Virginia where I still work. Janelia offers investigators an independent budget and no requirements to teach, perform administrative duties, or write grants. By 2011, I had been promoted to Full Professor at Princeton, but decided to forego the comforts of tenure (Janelia does not offer tenure) for the opportunity to work at the laboratory bench full time, a decision I have not regretted for a moment.



Throughout my career, I have sought to understand how changes in the genome generate differences in the appearance or behavior of different species. Recently, however, I have returned to a phenomenon that has obsessed me for much of my life, how tiny insects hijack the genome of plants to induce dramatic novel organs called galls. Given the freedom (and budget) to study anything I want that is provided by the Janelia model, I started this work as a side project 6 years ago. Now, most of my lab works with me on this project.

In this short presentation, I will introduce you to a local gall-forming aphid that makes cone galls on witch-hazel plants, and how we discovered an entirely new class of proteins, called Bicycle proteins, that aphids use to manipulate plants. Surprisingly, we recently found that all aphids produce Bicycle proteins, and this may be one reason that aphids can proliferate on agricultural crops, where they can cause significant crop losses requiring the application of noxious pesticides for control. It is our hope that a deeper understanding of Bicycle proteins will provide plant breeders with new knowledge to defend crops against many species of aphids.

Rotary International 4-Way Test

1. Is it the TRUTH?
2. Is it FAIR to all concerned?
3. Will it build GOODWILL and BETTER FRIENDSHIPS?
4. Will it be BENEFICIAL to all concerned?

