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EDUCATION

- 1998 - 2003 University of Cape Town, Cape Town, South Africa**
Degree course: **PhD in Molecular and Cell Biology**
Thesis title: **Development of candidate *Human papillomavirus* vaccines**
I investigated deleted and mutated gene products of the HPV-16 major capsid protein gene towards expressing candidate HPV vaccines in plants, with the final aim being the design and analysis of novel chimaeric HPV vaccines.
- 1993 - 1997 Loughborough University, Loughborough, England**
Degree Course: **Medicinal and Pharmaceutical Chemistry (BSc, DIS)**

WORK EXPERIENCE

07/16 – current Arizona State University, Tempe, USA

Associate professor in the Biodesign Center of Fundamental and Applied Microbiomics and the School of Life Sciences. I hold adjunct positions in the Biodesign Center for Molecular Evolution and the Center of Evolution and Medicine. I teach both undergraduate and postgraduate courses and run an active research group focused on virus evolution and virus discovery.

02/09 – 07/16 University of Canterbury, Christchurch, New Zealand

Senior lecturer above bar (Assoc. Prof equivalent in USA) in molecular biology / virology. I taught virology, general molecular and microbiology to 1st, 2nd, 3rd and 4th year students and ran an active research program in DNA virus discovery and evolution.

07/03 – 09/08 University of Cape Town, Cape Town, South Africa

Lecturer for the Masters program in Structural Biology at the University of Cape Town. Funded (5 years) by the Carnegie Corporation of New York, this was the first structural biology initiative in Africa. I lectured on basic molecular biology, protein expression and purification, virus structure, aspects of structural bioinformatics, molecular visualisation and cryo-electron microscopy. In addition to this I provided molecular biology support for most of the projects undertaken by the students as part of their MSc projects.

1995 - 1996 Astra Charnwood (Astra Zeneca Pharmaceuticals), Loughborough, England

I worked as a pre-formulation research scientist in the pharmaceutical sciences department. My work mainly involved taste masking of a research compound using various ion-exchange resins and alternative salt forms. All analysis was done using HPLC, UV spectrophotometry and IR spectrophotometry in compliance with company GLP and SOPs. In addition to this, I did a fair amount of thermal degradation work using TGA, DSC, and hot stage microscopy.

ADJUNT PROFESSIONAL APPOINTMENTS

- 2009 – current: Honorary research associate**, Structural Biology Research Unit, University of Cape Town, Cape Town, South Africa
- 2014 – 2017: Courtesy research professor**, Department of Plant Pathology and the Emerging Pathogens Institute, University of Florida, Gainesville, USA
- 2016 – current: Adjunct Associate professor**, School of Biological Sciences, University of Canterbury, Christchurch, New Zealand

AWARDS AND PRIZES (ACADEMIC)

- 2008:** Patent incentive award from the South African Department of Science and Technology
- 2007:** Patent incentive award from the South African Department of Science and Technology

RESEARCH

I work across ecosystems, from plants to animals, and from the tropics to the Antarctic with a strong focus on viral evolution and dynamics, and viral metagenomics. My research uses a combination of traditional virology, microscopy (including transmission electron microscopy), molecular and cellular biology techniques in conjunction with modern techniques including high throughput sequencing, synthetic biology and bioinformatics.

PUBLICATIONS

H-Index: 51; i10-index: 166

1. Águeda-Pinto A, Kraberger S, Lund MC, Gortázar C, McFadden G, **Varsani A**, Esteves PJ. **2020**. *Coinfections of novel polyomavirus, anelloviruses and a recombinant strain of myxoma virus-MYXV-Tol identified in Iberian hares*. *Viruses*. 12: e340
2. Hassan-Sheikhi P, Heydarnejad J, Massumi H, Kraberger S, **Varsani A**. **2020**. *Novel nanovirus and associated alphasatellites identified in milk vetch plants with chlorotic dwarf disease in Iran*. *Virus Res*. 276: 197830
3. Koonin EV, Dolja VV, Krupovic M, **Varsani A**, Wolf YI, Yutin N, Zerbini FM, Kuhn JH. **2020**. *Global Organization and Proposed Megataxonomy of the Virus World*. *Microbiol Mol Biol Rev*. 84: e0061-19
4. Kraberger S, Fountain-Jones NM, Gagne RB, Malmberg J, Dannemiller N, Logan K, Alldredge M, **Varsani A**, Crooks K, Craft M, Carver S, VandeWoude S. **2020**. *Frequent cross species transmissions of foamy virus between domestic and wild felids*. *Virus Evol* 6: vez058
5. Monjane AL, Dellicour S, Hartnady P, Oyeniran KA, Owor BE, Bezeidenhout M, Linderme D, Syed RA, Donaldson L, Murray S, Rybicki EP, Kvarnheden A, Yazdkhasti E, Lefeuvre P, Froissart R, Roumagnac P, Shepherd DN, Harkins GW, Suchard M, Lemey P, **Varsani A**, Martin DP. **2020**. *Symptom evolution following the emergence of maize streak virus*. *eLife*. 9: e51984
6. Orton J, Morales M, Fontenele RS, Schmidlin K, Kraberger S, Leavitt D, Webster T, Wilson M, Kusumi K, Dolby GA, **Varsani A**. **2020**. *Virus discovery in desert tortoises fecal samples: Novel circular single stranded DNA viruses*. *Viruses* 143: v12020143.
7. Rodrigues TCS, Subramaniam K, **Varsani A**, McFadden G, Schaefer AM, Bossart GD, Romero CH, Waltzek TB. **2020**. *Genome characterization of cetaceanpox virus from a managed Indo-Pacific bottlenose dolphin (*Tursiops aduncus*)*. *Virus Res*. 278: e197861
8. Siddell SG, Walker PJ, Lefkowitz EJ, Mushegian AR, Dutilh BE, Harrach B, Harrison RL, Junglen S, Knowles NJ, Kropinski AM, Krupovic M, Kuhn JH, Nibert ML, Rubino L, Sabanadzovic S, Simmonds P, **Varsani A**, Zerbini FM, Davison AJ. **2020**. *Binomial nomenclature for virus species: a consultation*. *Arch. Virol*. 165: 519-525
9. Tisza MJ, Pastrana DV, Welch NL, Stewart B, Peretti A, Starrett GJ, Pang Y-YS, Krishnamurthy SR, Pesavento PA, McDermott MH, Murphy PM, Whited JL, Miller B, Brenchley JM, Rosshart SP, Rehmann B, Doorbar J, Ta'ala BA, Pletnikova O, Troncosa J, Resnick SM, Bolduc B, Sullivan MB, **Varsani A**, Segall AM, Buck CB. **2020**. *Discovery of several thousand highly diverse circular DNA viruses*. *eLife*. 9: e51971
10. Yaron JR, Ambadapadi S, Zhang L, Chavan RN, Tibbetts, SA, Keinan S, **Varsani A**, Maldonado J, Kraberger S, Tafoya AM, Bullard W, Kilbourne J, Stern-Harbutte A, Krajmalnik-Brown R, Munk BH, Koppang, EO, Lim ES, Lucas AR. **2020**. *Immune protection is dependent on the gut microbiome in a lethal mouse gammaherpesviral infection*. *Sci Rep*. 10: 2371
11. Águeda-Pinto A, Lemos de Matos A, Abrantes A, Kraberger S, Risalde MA, Gortázar C, McFadden G, **Varsani A**, Esteves PJ. **2019**. *Genetic characterization of a recombinant myxoma virus in the Iberian hare (*Lepus granatensis*)*. *Viruses* 11: e530
12. Calisher CH, Briese T, Rodney Brister J, Charrel RN, Durrwald R, Ebihara H, Fulhorst CF, Fu Gao G, Groschup MH, Haddow AD, Hyndman TH, Junglen S, Klempa B, Klingstrom J, Kropinski AM, Krupovic M, LaBeaud AD, Maes P, Nowotny N, Roberto Teixeira Nunes M, Payne SL, Radoshitzky SR, Rubbenstroth D, Sabanadzovic S, Sasaya T, Stenglein MD, **Varsani A**, Wahl V, Weaver SC, Zerbini FM, Vasilakis N, Kuhn JH. **2019**. *Strengthening the Interaction of the Virology Community with the International Committee on Taxonomy of Viruses (ICTV) by Linking Virus Names and Their Abbreviations to Virus Species*. *Syst Biol*. 65: 828-839
13. Claverie S, Ouattara A, Hartnady P, Hoarau M, Filloux D, **Varsani A**, Roumagnac P, Martin DP, Lett J-M, Lefeuvre P. **2019**. *Exploring the diversity of Poaceae-infecting mastreviruses from Reunion Island using a viral metagenomics-based approach*. *Sci Rep*. 9:e12716
14. Fontenele RS, Lacorte C, Lamas NS, Schmidlin K, **Varsani A**, Ribeiro SG. **2019**. *Single stranded DNA viruses associated with capybara faeces sampled in Brazil*. *Viruses*. 11: e710
15. Kazlauskas D, **Varsani A**, Koonin E, Krupovic M. **2019**. *Multiple origins of prokaryotic and eukaryotic ssDNA viruses from bacterial plasmids*. *Nat. Commun*. 10: e3425
16. Kraberger S, Cook C, Schmidlin K, Fontenele RS, Bautista J, Smith B, **Varsani A** **2019**. *Diverse single-stranded DNA viruses associated with honey bees (*Apis mellifera*)*. *Infect Genet Evol*. 71:179-188
17. Kraberger S, Serieys L, Fountain-Jones NM, Packer C, Riley S, **Varsani A**. **2019**. *Novel smacoviruses identified in two free-roaming felids: the North American bobcat and African lion*. *Arch Virol*. 164: 2395-2399

18. Kraberger S, Schmidlin K, Fontenele RS, Walters M, **Varsani A. 2019.** *Unravelling the single-stranded DNA virome of the New Zealand blackfly.* *Viruses* 11, e532
19. Lefeuvre P., Martin DP, Elena SF, Shepherd DN, Roumagnac P, **Varsani A. 2019.** *Evolution and ecology of plant viruses.* *Nat. Rev. Microbiol.* 17, 632-644
20. Lescroël A, Ballard A, Massaro M, Dugger K, Jennings S, Pollard A, Porzig L, Schmidt A, **Varsani A**, Grémillet D, Ainley D. **2019.** *Evidence of age-related improvement in the foraging efficiency of Adélie penguins.* *Sci Rep.* 9:3375
21. Mangeli F, Massumi H, Alipour F, Heydarnejad J, Pour AH, Motlagh MHA, Morteza A, Maddahian M, **Varsani A. 2019.** *Molecular and biological characterisation of the coat protein sequences of Iranian alfalfa mosaic virus isolates.* *J Plant Path.* 101:735-742
22. Morandini V, Dugger K, Ballard G, Elrod M, Schmidt A, Ruoppolo V, Lescroël A, Jongsomjit D, Massaro M, Pennycook J, Kooyman GL, Schmidlin K, Kraberger S, Ainley DG, **Varsani A. 2019.** *Identification of a novel Adélie penguin circovirus at Cape Crozier (Ross Island, Antarctica).* *Viruses.* 11, e1088
23. May A, Narayanan S, Alcock J, **Varsani A**, Maley C, Aktipis A. **2019.** *Kombucha: A novel model system for cooperation and conflict in a complex multi-species microbial ecosystem.* *PeerJ.* 7:e7565
24. Poramini N, Heydarnejad J, Massumi M, **Varsani A. 2019.** *Identification of the wild and cultivated hosts of wheat dwarf virus and oat dwarf virus in Iran.* *ViursDis.* 30:545-550
25. Richet C, Kraberger S, Filloux D, Bernardo P, Harkins GW, Martin DP, Roumagnac P, **Varsani A. 2019.** *Novel circular DNA viruses associated with Apiaceae and Poaceae from South Africa and New Zealand.* *Arch Virol* 164:237-242.
26. Roux S, Adriaenssens EM, Dutilh BE, Koonin EV, Kropinski AM, Krupovic M, Kuhn JH, Lavigne R, Brister JR, **Varsani A**, Amid C, Aziz RK, Bordenstein SR, Bork P, Breitbart M, Cochrane GR, Daly RA, Desnues C, Duhaime MB, Emerson JB, Enault F, Fuhrman JA, Hingamp P, Hugenholtz P, Hurwitz BL, Ivanova NN, Labonté JM, Lee K-B, Malmstrom RR, Martinez-Garcia M, Mizrahi IK, Ogata H, Páez-Espino D, Petit M-A, Putonti C, Rattei T, Reyes A, Rodriguez-Valera F, Rosario K, Schriml L, Schulz F, Steward GF, Sullivan MB, Sunagawa S, Suttle CA, Temperton B, Tringe SG, Thurber RV, Webster NS, Whiteson KL, Wilhelm SW, Wommack KE, Woyke T, Wrighton KC, Yilmaz P, Yoshida T, Young MJ, Yutin N, Allen LZ, Kyrpides NC, Eloe-Fadrosh EA. **2019.** *Minimum Information about an Uncultivated Virus Genome (MIUViG).* *Nat. Biotechnol.* 37:29-37
27. Siddell SG, Walker PJ, Lefkowitz EJ, Mushegian AR, Adams MJ, Dutilh BE, Gorbalenya AE, Harrach B, Harrison RL, Junglen S, Knowles NJ, Kropinski AM, Krupovic M, Kuhn JH, Nibert M, Rubino L, Sabanadzovic S, Sanfaçon H, Simmonds P, **Varsani A**, Zerbini FM, Davison AJ. **2019.** *Additional changes to taxonomy ratified in a special vote by the International Committee on Taxonomy of Viruses (October 2018).* *Arch Virol* 164:943-946
28. Schmidlin K, Kraberger S, Fontenele RS, De Martini F, Chouvenc T, Gile GH, **Varsani A. 2019.** *Genome sequences of microviruses associated with Coptotermes formosanus.* *Microbiol Resour Announc.* 8:e00185-19
29. Schmidlin K, Sepp T, Khalifeh A, Smith K, Fontenele RS, McGraw KJ, **Varsani A. 2019.** *Genomoviruses associated with feces and nests of house finches (Haemorrhous mexicanus).* *Arch. Virol.* 164: 2245-2350
30. Sommers P, Fontenele RS, Kringen T, Kraberger S, Porazinska DL, Darcy JL, Schmidt SK, Varsani A. **2019.** *Single-stranded DNA viruses in Antarctic cryoconite holes.* *Viruses* 11, e1022
31. Walker PJ, Siddell SG, Lefkowitz EJ, Mushegian AR, Dempsey DM, Dutilh BE, Harrach B, Harrison RL, Hendrickson RC, Junglen S, Knowles NJ, Kropinski AM, Krupovic M, Kuhn JH, Nibert M, Rubino L, Sabanadzovic S, Simmonds P, **Varsani A**, Zerbini FM, Davison AJ. **2019.** *Changes to virus taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2019).* *Arch. Virol.* 164: 2417-2429
32. Bernardo P, Charles-Dominique T, Barakat M, Ortet P, Fernandez E, Filloux D, Hartnady P, Rebelo TA, Cousins SR, Mesleard F, Cohez D, Yavercovski N, **Varsani A**, Harkins GW, Peterschmitt M, Malmstrom CM, Martin DP, Roumagnac P. **2018.** *Geometagenomics illuminates the impact of agriculture on the distribution and prevalence of plant viruses at the ecosystem scale.* *ISME J* 12:173-184.
33. Briddon RW, Martin DP, Roumagnac P, Navas-Castillo J, Fiallo-Olive E, Moriones E, Lett JM, Zerbini FM, **Varsani A. 2018.** *Alphasatellitidae: a new family with two subfamilies for the classification of geminivirus- and nanovirus-associated alphasatellites.* *Arch Virol* 163: 2587-2600.
34. Claverie S, Bernardo P, Kraberger S, Hartnady P, Lefeuvre P, Lett JM, Galzi S, Filloux D, Harkins GW, **Varsani A**, Martin DP, Roumagnac P. **2018.** *From Spatial Metagenomics to Molecular Characterization of Plant Viruses: A Geminivirus Case Study.* *Adv Virus Res* 101:55-83.
35. Crane A, Goebel ME, Kraberger S, Stone AC, **Varsani A. 2018.** *Novel anelloviruses identified in buccal swabs of Antarctic fur seals.* *Virus Genes* 54:719-723.
36. Davoodi Z, Bejerman N, Richet C, Filloux D, Kumari SG, Chatzivassiliou EK, Galzi S, Julian C, Samarford S, Trucco V, Giolitti F, Fiallo-Olive E, Navas-Castillo J, Asaad N, Moukahel AR, Hijazi J, Mghandef S, Heydarnejad J, Massumi H, **Varsani A**, Dietzgen RG, Harkins GW, Martin DP, Roumagnac P. **2018.** *The Westward Journey of Alfalfa Leaf Curl Virus.* *Viruses* 10:e542.
37. Fontenele RS, Abreu RA, Lamas NS, Alves-Freitas DMT, Vidal AH, Poppiel RR, Melo FL, Lacorte C, Martin DP, Campos MA, **Varsani A**, Ribeiro SG. **2018.** *Passion Fruit Chlorotic Mottle Virus: Molecular Characterization of a New Divergent Geminivirus in Brazil.* *Viruses* 10:e169.

38. Fontenele RS, Alves-Freitas DMT, Silva PIT, Foresti J, Silva PR, Godinho MT, **Varsani A**, Ribeiro SG. **2018**. *Discovery of the first maize-infecting mastrevirus in the Americas using a vector-enabled metagenomics approach*. Arch Virol 163:263-267.
39. Gallet R, Kraberger S, Filloux D, Galzi S, Fontes H, Martin DP, **Varsani A**, Roumagnac P. **2018**. *Nanovirus- alphasatellite complex identified in Vicia cracca in the Rhone delta region of France*. Arch Virol 163:695-700.
40. Hasanvand V, Kamali M, Heydarnejad J, Massumi H, Kvarnheden A, **Varsani A**. **2018**. *Identification of a new turncurtovirus in the leafhopper Circulifer haematoceps and the host plant species Sesamum indicum*. Virus Genes 54:840-845.
41. Heydarnejad J, Kamali M, Hassanvand V, Massumi H, Shamshiri M, **Varsani A**. **2018**. *Turnip leaf curl disease associated with two begomoviruses in south-eastern Iran*. Tropical Plant Pathology 43:165-169.
42. Kazlauskas D, **Varsani A**, Krupovic M. **2018**. *Pervasive Chimerism in the Replication-Associated Proteins of Uncultured Single-Stranded DNA Viruses*. Viruses 10:e187.
43. King AMQ, Lefkowitz EJ, Mushagian AR, Adams MJ, Dutilh BE, Gorbalenya AE, Harrach B, Harrison RL, Junglen S, Knowles NJ, Kropinski AM, Krupovic M, Kuhn JH, Nibert ML, Rubino L, Sabanadzovic S, Sanfacon H, Siddell SG, Simmonds P, **Varsani A**, Zerbini FM, Davison AJ. **2018**. *Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018)*. Arch Virol 163:2601–263.
44. Kraberger S, Hofstetter RW, Potter KA, Farkas K, **Varsani A**. **2018**. *Genomoviruses associated with mountain and western pine beetles*. Virus Res 256:17-20.
45. Kraberger S, Kumari SG, Najar A, Stainton D, Martin DP, **Varsani A**. **2018**. *Molecular characterization of faba bean necrotic yellows viruses in Tunisia*. Arch Virol 163:687-694.
46. Kraberger S, Visnovsky GA, van Toor RF, Male MF, Waits K, Fontenele RS, **Varsani A**. **2018**. *Genome Sequences of Two Single-Stranded DNA Viruses Identified in Varroa destructor*. Genome Announc 6:00107-18.
47. Kraberger S, Waits K, Ivan J, Newkirk E, VandeWoude S, **Varsani A**. **2018**. *Identification of circular single-stranded DNA viruses in faecal samples of Canada lynx (Lynx canadensis), moose (Alces alces) and snowshoe hare (Lepus americanus) inhabiting the Colorado San Juan Mountains*. Infect Genet Evol 64:1-8.
48. Rosario K, Mettel KA, Benner BE, Johnson R, Scott C, Yusseff-Vanegas SZ, Baker CCM, Cassill DL, Storer C, **Varsani A**, Breitbart M. **2018**. *Virus discovery in all three major lineages of terrestrial arthropods highlights the diversity of single-stranded DNA viruses associated with invertebrates*. PeerJ 6:e5761.
49. Smeele ZE, Ainley DG, **Varsani A**. **2018**. *Viruses associated with Antarctic wildlife: From serology based detection to identification of genomes using high throughput sequencing*. Virus Res 243:91-105.
50. Smeele ZE, Burns JM, Van Doorsaler K, Fontenele RS, Waits K, Stainton D, Shero MR, Beltran RS, Kirkham AL, Bergart R, Kraberger S, **Varsani A**. **2018**. *Diverse papillomaviruses identified in Weddell seals*. J Gen Virol 99:549-557.
51. Somayaji V, DeNardo D, Sayres MAW, Blake M, Waits K, Fontenele RS, Kraberger S, **Varsani A**. **2018**. *Genome Sequence of a Single-Stranded DNA Virus Identified in Gila Monster Feces*. Microbiol Res Announc 7:e00925-18.
52. Stenzel T, Dziewulska D, Muhire BM, Hartnady P, Kraberger S, Martin DP, **Varsani A**. **2018**. *Recombinant Goose Circoviruses Circulating in Domesticated and Wild Geese in Poland*. Viruses 10:e107.
53. Van Doorslaer K, Kraberger S, Austin C, Farkas K, Bergeman M, Paunil E, Davison W, **Varsani A**. **2018**. *Fish polyomaviruses belong to two distinct evolutionary lineages*. J Gen Virol 99:567-573.
54. **Varsani A**, Krupovic M. **2018**. *Correction to: Smacoviridae: a new family of animal-associated single-stranded DNA viruses*. Arch Virol 163:3213-3214.
55. **Varsani A**, Krupovic M. **2018**. *Smacoviridae: a new family of animal-associated single-stranded DNA viruses*. Arch Virol 163:2005-2015.
56. **Varsani A**, Lefeuvre P, Roumagnac P, Martin D. **2018**. *Notes on recombination and reassortment in multipartite/segmented viruses*. Curr Opin Virol 33:156-166.
57. Vidal AH, Sanches MM, Alves-Freitas DMT, Abreu EFM, Lacorte C, Pinheiro-Lima B, Rosa RCC, Jesus ON, Campos MA, **Varsani A**. **2018**. *First World Report of Cucurbit aphid-borne yellows virus Infecting Passionfruit*. Plant Disease 102:2665
58. Waits K, Bradley RW, Warzybok P, Kraberger S, Fontenele RS, **Varsani A**. **2018**. *Genome Sequence of a Gyrovirus Associated with Ashy Storm-Petrel*. Microbiol Res Announc 7:e00958-18.
59. Waits K, Edwards MJ, Cobb IN, Fontenele RS, **Varsani A**. **2018**. *Identification of an anellovirus and genomoviruses in ixodid ticks*. Virus Genes 54:155-159.
60. Adams MJ, Lefkowitz EJ, King AM, Harrach B, Harrison RL, Knowles NJ, Kropinski AM, Krupovic M, Kuhn JH, Mushagian AR, Nibert ML, Sabanadzovic S, Sanfacon H, Siddell SG, Simmonds P, **Varsani A**, Zerbini FM, Orton RJ, Smith DB, Gorbalenya AE, Davison AJ. **2017**. *50 years of the International Committee on Taxonomy of Viruses: progress and prospects*. Arch Virol 162:1441-1446.
61. Adams MJ, Lefkowitz EJ, King AMQ, Harrach B, Harrison RL, Knowles NJ, Kropinski AM, Krupovic M, Kuhn JH, Mushagian AR, Nibert M, Sabanadzovic S, Sanfacon H, Siddell SG, Simmonds P, **Varsani A**, Zerbini FM, Gorbalenya AE, Davison AJ. **2017**. *Changes to taxonomy and the International Code of Virus Classification and*

Nomenclature ratified by the International Committee on Taxonomy of Viruses (2017). Arch Virol 162:2505-2538.

62. Boukari W, Alcalá-Briseno RI, Kraberger S, Fernandez E, Filloux D, Daugrois JH, Comstock JC, Lett JM, Martin DP, **Varsani A**, Roumagnac P, Polston JE, Rott PC. **2017**. Occurrence of a novel mastrevirus in sugarcane germplasm collections in Florida, Guadeloupe and Reunion. Virol J 14:146.
63. Breitbart M, Delwart E, Rosario K, Segales J, **Varsani A**, ICTV Report Consortium. **2017**. ICTV Virus Taxonomy Profile: Circoviridae. J Gen Virol 98:1997-1998.
64. Fahsbender E, Burns JM, Kim S, Kraberger S, Frankfurter G, Eilers AA, Shero MR, Beltran R, Kirkham A, McCorkell R, Bergart RK, Male MF, Ballard G, Ainley DG, Breitbart M, **Varsani A**. **2017**. Diverse and highly recombinant anelloviruses associated with Weddell seals in Antarctica. Virus Evol 3:vex017.
65. Fontenele RS, Lamas NS, Lacorte C, Lacerda ALM, **Varsani A**, Ribeiro SG. **2017**. A novel geminivirus identified in tomato and cleome plants sampled in Brazil. Virus Res 240:175-179.
66. Godinho MT, Paula DP, **Varsani A**, Ribeiro SG. **2017**. Genome Sequence of Cauliflower Mosaic Virus Identified in Earwigs (*Doru luteipes*) through a Metagenomic Approach. Genome Announc 5:00043-17.
67. Gonçalves M, Godinho M, Alves-Freitas D, **Varsani A**, Ribeiro S. **2017**. First report of maize yellow mosaic virus infecting maize in Brazil. Plant Disease 101:2156.
68. Heydarnejad J, Kamali M, Massumi H, Kvarnheden A, Male MF, Kraberger S, Stainton D, Martin DP, **Varsani A**. **2017**. Identification of a Nanovirus-Alphasatellite Complex in *Sophora alopecuroides*. Virus Res 235:24-32.
69. Kamali M, Heydarnejad J, Pouramini N, Masumi H, Farkas K, Kraberger S, **Varsani A**. **2017**. Genome Sequences of Beet curly top Iran virus, Oat dwarf virus, Turnip curly top virus, and Wheat dwarf virus Identified in Leafhoppers. Genome Announc 5:01674-16.
70. Kazlauskas D, Dayaram A, Kraberger S, Goldstien S, **Varsani A**, Krupovic M. **2017**. Evolutionary history of ssDNA bacilladnaviruses features horizontal acquisition of the capsid gene from ssRNA nodaviruses. Virology 504:114-121.
71. Kraberger S, Geering ADW, Walters M, Martin DP, **Varsani A**. **2017**. Novel mastreviruses identified in Australian wild rice. Virus Res 238:193-197.
72. Kraberger S, Polston JE, Capobianco HM, Alcalá-Briseno RI, Fontenele RS, **Varsani A**. **2017**. Genomovirus Genomes Recovered from *Echinothrips americanus* Sampled in Florida, USA. Genome Announc 5:00445-17.
73. Kraberger S, Saumtally S, Pande D, Khoodoo MHR, Dhayan S, Dookun-Saumtally A, Shepherd DN, Hartnady P, Atkinson R, Lakay FM, Hanson B, Redhi D, Monjane AL, Windram OP, Walters M, Oluwafemi S, Michel-Lett J, Lefeuvre P, Martin DP, **Varsani A**. **2017**. Molecular diversity, geographic distribution and host range of monocot-infecting mastreviruses in Africa and surrounding islands. Virus Res 238:171-178.
74. Maddahian M, Massumi H, Heydarnejad J, Pour AH, **Varsani A**. **2017**. Characterization of Iranian Tomato aspermy virus isolates with a variant 2b gene sequence. Tropical Plant Pathology 42:475-484.
75. Najar A, Fekih IB, Ghanem HB, Kumari SG, **Varsani A**. **2017**. Barley yellow dwarf virus-PAV management using seed-treatment with the insecticide imidacloprid. Arab Journal of Plant Protection 35:178-184.
76. Najar A, Hamdi I, **Varsani A**. **2017**. Barley yellow dwarf virus in barley crops in Tunisia: prevalence and molecular characterization. Phytopathologia Mediterranea 56:111-118.
77. Najar A, Hamdi I, **Varsani A**, Duran-Vila N. **2017**. Citrus viroids in Tunisia: Prevalence and molecular characterization. Journal of Plant Pathology 99.
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79. Ouattara A, Tiendrebeogo F, Lefeuvre P, Hoareau M, Claverie S, Traore EV, Barro N, Traore O, **Varsani A**, Lett JM. **2017**. New strains of chickpea chlorotic dwarf virus discovered on diseased papaya and tomato plants in Burkina Faso. Arch Virol 162:1791-1794.
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Ms Olivia Steel, **MSc in Microbiology** (2015) - Primary supervisor

Exploring the diversity of CRESS DNA viruses associated with the faecal matter of wild and domestic animals in New Zealand

Ms Maketalena Male, **MSc in Microbiology** (2015) - Primary supervisor

Identification of CRESS DNA viruses in faeces of Pacific flying foxes in the Tongan archipelago

Ms Alyssa Sikorski, **MSc in Microbiology** (2012 -2013) – Primary supervisor

Molecular characterisation of novel single-stranded DNA viruses recovered from animal faeces

Ms Carina Davis, **MSc in Microbiology** (2012-2013) – Co-supervisor

Metagenomic approaches to microbial source tracking

Ms Laurel Julian, **MSc in Microbiology** (2011-2012) - Primary supervisor

Analysis of genetic diversity and evolution through recombination of beak and feather disease virus

Mr Robert Lawry, **MSc in Microbiology** (2009-2010) - Primary supervisor

Diversity and evolution of geminiviruses

University of Cape Town, South Africa

PhD

Mr Adérito Monjane, **PhD in Molecular and Cell Biology** (2007- 2012) – Co-supervisor

Analysis of recombination and evolution of maize streak virus

MSc

Mr Kyle Dent, **MSc in Structural Biology** (2007-2009) – Co-supervisor

3D reconstruction of maize streak virus structure

Ms Jennifer Miller, **MSc in Structural Biology** (2006-2008) – Co-supervisor

Structural studies on Heterocapsa circularisquama RNA virus

Honours

Mr Alistair Gray, **Honours in Molecular and Cell Biology** (2008) – Co-supervisor

Characterisation of the D surface of nitrile hydratase of Bacillus pumilus

Mr Oliver Windram, **Honours in Molecular and Cell Biology** (2006) – Primary Supervisor

Preliminary investigation into the use of Human papillomavirus type 16 virus like particles as a delivery vector system for foreign proteins

Murdoch University, Australia

PhD

Ms Bethany Jackson, **PhD in Wildlife Diseases** (2011-2014) – Co-supervisor

Health and disease in kakariki (Cyanoramphus novaeseelandiae) on Tiritiri Matangi Island: Implications of Beak and feather disease virus infection for conservation management

PATENTS

International patents:

1. Rybicki E.P., **Varsani A.D.** (2010) *Chimaeric Human Papillomavirus 16 L1 Virus Like Particles and a Method for Preparing the Particles*. Patent No. 24614765, Japan.
2. Rybicki E.P., **Varsani A.D.** (2009) *Chimaeric Human Papillomavirus 16 L1 Virus Like Particles and a Method for Preparing the Particles*. Patent No. 2003232951, Australia.
3. Rybicki E.P., **Varsani A.D.** (2009) *Chimaeric Human Papillomavirus 16 L1 Virus Like Particles and a Method for Preparing the Particles*. Patent No. 1506222, Europe (EU).
4. **Varsani, A.D.** and Rybicki, E.P. (2008) *Chimaeric Human Papillomavirus 16 L1 Virus Like Particles and a Method for Preparing the Particles*. Patent No. 7407807, US.
5. Rybicki E.P., **Varsani A.D.** and Williamson A-L. (2008) *Pharmaceutical Compositions, a Method of Preparing and Isolating Said Pharmaceutical Compositions for Prophylactic Treatment of Lesions and Carcinomas*. Patent No. 221817, India.
6. Rybicki E.P., **Varsani A.D.** and Williamson A-L. (2008) *Pharmaceutical Compositions, a Method of Preparing and Isolating Said Pharmaceutical Compositions for Prophylactic Treatment of Lesions and Carcinomas*. Patent No. 02821542.7, China.
7. Rybicki E.P., **Varsani A.D.** (2006) *Chimaeric Human Papillomavirus 16 L1 Virus Like Particles and a Method for Preparing the Particles*. Patent No. 2004/10137, South Africa.
8. Rybicki E.P., **Varsani A.D.** and Williamson A-L. (2006) *Vectors and/or Constructs, and Transgenic Organisms*. Patent No. 02821507.9, China.
9. Rybicki E.P., **Varsani A.D.** and Williamson A-L. (2005) *Pharmaceutical Compositions, a Method of Preparing and Isolating Said Pharmaceutical Compositions for Prophylactic Treatment of Lesions and Carcinomas*. Patent No. 2004/2505, South Africa.
10. Rybicki E.P., **Varsani A.D.** and Williamson A-L. (2005) *Vectors and/or Constructs, and Transgenic Organisms*. Patent No. 2004/2504, South Africa.

INTERNATIONAL REFEREEING AND SCIENTIFIC COMMITTEES

- 1) Executive committee member of the "International Committee on Taxonomy of Viruses" (2014 – current)
- 2) Committee member of the "International Committee on Taxonomy of Viruses" geminivirus working group (2010 – current)
- 3) Committee chair of the "International Committee on Taxonomy of Viruses" circovirus working group (2011 – 2017)
- 4) Committee chair of the "International Committee on Taxonomy of Viruses" circovirus working group (2017 – current)
- 5) Advisory board for the journal Archives of Virology (2009 – 2016)
- 6) Advisory board of the journal Virology (2015 – current)
- 7) Advisor for virus genomes as part of the NCBI RefSeq Virus group (2016 – current)
- 8) Editor for Phytopathology (2018- current)
- 9) Editor for Microorganisms (2018 – current)
- 10) Associate editor for Virus Evolution (2019 – current)
- 11) Referee for the following journals
 - Nature (NPG)
 - Nature Microbiology Review (NPG)
 - Nature communications (NPG)
 - ISME Journal (NPG)
 - Scientific Reports (NPG)
 - PLoS Pathogens (PLoS Journals)
 - Emerging Infectious Diseases (Centers for Disease Control and Prevention)
 - Journal of Virology (ASM)
 - Genome Biology and Evolution (Oxford Journals)
 - Journal of General Virology (SGM)
 - Molecular Phylogenetics and Evolution (Elsevier)

- Virology (Elsevier)
- Viruses (MDPI)
- Annals of the New York Academy of Sciences (Wiley)
- PLoS One (PLoS Journals)
- Virus Research (Elsevier)
- Transfusion (Wiley)
- Gene (Elsevier)
- Journal of Clinical Virology (Elsevier)
- Annals of Applied Biology (Wiley-Blackwell)
- Evolutionary Applications (Wiley)
- Applied and Environmental Microbiology (ASM)
- Archives of Virology (Springer-Verlag)
- Virus Genes (Springer, Netherlands)
- Journal of Virological Methods (Elsevier)
- Infection, Genetics and Evolution (Elsevier)
- Virulence (Taylor and Francis)
- Virus Evolution (Oxford Journals)
- Virology Journal (BioMed Central)
- Phytopathology (APS)
- European Journal of Plant Pathology (Springer)
- Plant Pathology Journal (Wiley)
- Avian Pathology (Taylor and Francis)
- Crop and Pasture Science (CSIRO publishing)
- Australasian Plant Pathology (CSIRO publishing)
- International Journal of Odonatology (Taylor and Francis)

GENERAL

Languages

Proficient in spoken and written English, Swahili and Gujarati.

Personal interests

Climbing, mountaineering, trail running and photography.

REFEREES

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