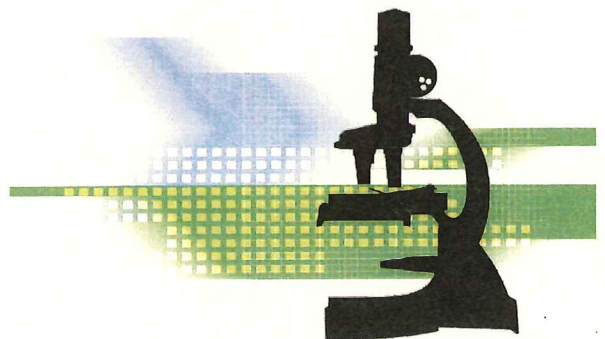


**Canadian Directory
of
Expertise in Wildlife
Health**



**Produced by the
Canadian Cooperative
Wildlife Health Centre**

Second Edition (2009)

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Introduction

This is an update of a directory originally prepared as one of the initial projects undertaken by the Canadian Cooperative Wildlife Health Centre. We prepared that directory because expertise and information related to wildlife health and disease is widely dispersed across Canada in many agencies and institutions, and it is important to bring the best possible knowledge to recognizing and solving wildlife health problems. Our objective in this update remains the same, to have a listing of, and provide contact information for, individuals in Canada with special expertise or facilities relevant to the health of free-living animals.

The directory consists of two parts:

- A series of tables that summarize how individuals have self-identified their areas of expertise in terms of discipline, animal group, and special interests.
- Contact information for the individuals, together with detailed information about the type of assistance they can offer, and any special conditions on that assistance.

The directory can be used in different manners; for instance, if you are interested in finding someone with general expertise in lead poisoning, you could go directly to the Table entitled **Etiologic Agents- Toxins/Poisons** and find the names of people who have indicated expertise in the area. However, if you are only interested in lead poisoning in a particular group of birds, such as waterfowl, you might begin with the Table entitled **Species-Birds**, where you would find that 13 individuals have indicated expertise with waterfowl; you might then check which of these individuals have listed Toxicology in the table entitled **Discipline**, or which have indicated expertise in the column Lead in the table entitled **Etiologic Agents-Toxins/Poisons**. Once you have identified suitable individuals, consult the contact information and please note any special conditions that may apply to their assistance.

	Bacteriology	Clinical Medicine	Disease Ecology	Epidemiology / Population Biology	Forensics	General Diagnostics	Genetics	Immobilization	Immunology	Molecular Techniques	Mycology	Other	Parasitology	Pathology	Prions	Rehabilitation	Reproduction	Toxicology	Virology	Zoonoses / Public Health
Galloway, T.													•							
Garde, Elena J.			•	•				•												•
Giesy, John										•				•				•		
Govindarajulu, Purnima			•	•							•									
Graham, Catherine														•	•					•
Groman, David														•						
Haight, Jerry		•						•									•			
Haulena, Martin		•						•								•				
Hoff, Brent						•												•		
Hwang, Yeen Ten				•									•							
Janz, David																	•	•		
Jardine, Claire			•																	•
Jenkins, Emily			•										•							•
Jobin, Rick				•	•		•			•										
Jones, Andria				•																•
Keith, Ian	•	•												•						
Kennedy, Murray													•							•
Koller-Jones, Maria			•	•																•
Lair, Stephane		•	•					•						•		•				
Lankester, Murray													•							
Leighton, F.A.				•										•	•					•
Letcher, Robert									•	•								•		
Lindsay, Robbin			•			•														•
Lumsden, John														•						
Lutze-Wallace, Cyril	•					•				•										
Machin, Karen																		•		
Marcogliese, David													•							
Martin, Don													•							
Marty, Gary			•											•						
McBurney, Scott					•	•					•			•						•

	Bacteriology	Clinical Medicine	Disease Ecology	Epidemiology / Population Biology	Forensics	General Diagnostics	Genetics	Immobilization	Immunology	Molecular Techniques	Mycology	Other	Parasitology	Pathology	Prions	Rehabilitation	Reproduction	Toxicology	Virology	Zoonoses / Public Health		
McClymont, Bob					•																	
McLaughlin, Dan													•									
Mead, Sherry	•												•						•			
Measures, L.N.			•										•									
Merchant, Philip				•								•										
Middleton, Dean																					•	
Mineau, Pierre					•													•				
Morshed, Muhammad	•		•							•	•		•						•		•	
Murray, Dennis L.			•	•							•											
Nielsen, Ole												•							•			
Obbard, Martyn				•				•														
Ogden, Nicholas			•	•									•									•
Ojkic, Davor						•			•	•					•				•		•	
Parker, Dennilyn		•														•						
Parmley, Jane				•											•							•
Pasick, John						•				•									•			
Patenaude, Robert		•			•			•					•	•				•				•
Patterson, Brent				•				•														
Pearl, David				•																		•
Peck, Mark				•																		
Peregrine, Andrew				•									•									
Philibert, Helene														•								
Pietroch, Michael	•			•							•		•	•				•	•			
Prescott, John	•									•												•
Pybus, Margo			•			•							•		•							
Rogers, Laura														•								
Rosatte, Rick			•										•		•				•		•	
Ross, Peter								•										•				
Samuel, W.M.			•	•									•									
Scheuhammer, A.																		•				

Species - Amphibia

	Frogs	Salamanders	Toads	Amphibia General
Bollinger, Trent				•
Campbell, Doug				•
Cook, Francis R.	•	•	•	•
Cooper, Ernie				•
Crawshaw, G.J.				•
Forzan, Maria				•
Giesy, John	•			
Govindarajulu, Purnima	•	•	•	
Hoff, Brent				•
Janz, David				•
Kennedy, Murray				•
Lair, Stephane				•
Marcogliese, David	•			
Martin, Don	•		•	
McBurney, Scott				•
Murray, Dennis L.	•	•	•	
Parker, Dennilyn				•
Parmley, Jane				•
Schwantje, Helen				•
Slavic, Durda				•
Smith, Dale				•
Smits, Judit	•	•		
Whiteside, Doug	•		•	
Wickstrom, Mark				•

Species - Reptiles

	Lizards	Snakes	Turtles	Reptiles General
Bollinger, Trent				•
Campbell, Doug				•
Conboy, Gary			•	
Cook, Francis R.	•	•	•	•
Cooper, Ernie				•
Cote, Nathalie			•	
Crawshaw, G.J.				•
Forzan, Maria			•	
Hoff, Brent				•
Janz, David				•
Kennedy, Murray				•
Martin, Don		•		
McBurney, Scott				•
Parker, Dennilyn				•
Parmley, Jane				•
Schwantje, Helen				•
Slavic, Durda				•
Smith, Dale				•
Whiteside, Doug				•
Wobeser, Gary				•
Yang, J.E.				•

Species - Birds

	Alcids	Comorants	Cuckoos	Galliformes	Grebes	Gulls/Terns	Heronis / Bitterns	Kingfisher	Loons	Passerine	Pelicans	Rails / Coot	Raptors	Shearwaters / Other Procelarids	Swifts	Waders	Waterfowl (Anatidae)	Birds General
Bollinger, Trent																		•
Bortolotti, Gary				•									•					•
Bowes, Victoria																		•
Braune, Birgit																		•
Burgess, Neil M.	•	•				•			•	•			•				•	
Campbell, Doug									•				•					•
Clark, Bob										•							•	
Conboy, Gary																		•
Cote, Nathalie													•					
Crawshaw, G.J.																		•
Ferns, Lyn																		•
Fitzgerald, Guy							•						•					
Forzan, Maria																		•
Galloway, T.																		•
Garde, Elena J.																		•
Giesy, John		•				•	•	•		•				•	•		•	•
Hoff, Brent																		•
Janz, David																		•
Jenkins, Emily		•									•							
Jobin, Rick													•					
Jones, Andria																		•
Kennedy, Murray																		•
Lair, Stephane													•				•	•
Leighton, F.A.		•															•	•
Letcher, Robert						•							•					
Lindsay, Robbin																		•
Machin, Karen																	•	•
McBurney, Scott																		•
McClymont, Bob																		•
McLaughlin, Dan		•	•		•	•	•	•	•	•	•	•				•	•	•

	Bats	Carnivores	Cetaceans	Lagomorphs	Pinnipeds	Rodents	Ungulates	Mammals General
Lair, Stephane			•					•
Lankester, Murray							•	
Leighton, F.A.								•
Letcher, Robert		•	•		•			
Lindsay, Robbin								•
McBurney, Scott								•
McClymont, Bob								•
Measures, L.N.			•		•			
Merchant, Philip		•					•	
Morshed, Muhammad						•		•
Murray, Dennis L.		•		•		•	•	•
Nielsen, Ole					•			
Obbard, Martyn		•						
Ogden, Nicholas								•
Ojkic, Davor								•
Parker, Dennilyn								•
Parmley, Jane								•
Pasick, John							•	
Patenaude, Robert	•	•					•	•
Patterson, Brent		•					•	
Pearl, David								•
Peregrine, Andrew								•
Philibert, Helene								•
Prescott, John								•
Pybus, Margo	•						•	•
Rogers, Laura								•
Rosatte, Rick		•					•	
Ross, Peter			•		•			
Samuel, W.M.		•		•			•	
Schwantje, Helen		•					•	•

Species - Fish

	Freshwater	Marine
Bollinger, Trent	•	
Campbell, Linda	•	•
Cooper, Ernie	•	•
Forzan, Maria	•	
Giesy, John	•	
Groman, David	•	•
Haulena, Martin	•	•
Hoff, Brent	•	•
Janz, David	•	•
Jobin, Rick	•	
Jones, Andria		•
Keith, Ian	•	•
Kennedy, Murray	•	•
Lair, Stephane	•	
Lankester, Murray	•	
Letcher, Robert	•	
Lumsden, John	•	•
Marcogliese, David	•	•
Marty, Gary	•	•
Mead, Sherry	•	
Measures, L.N.		•
Merchant, Philip	•	
Parmley, Jane	•	•
Pietroch, Michael	•	•
Ross, Peter		•
Sheppard, Mark	•	•
Simard, Manon	•	•
Uhland, Carl	•	•
Vijayan, Matt	•	•
Wobeser, Gary	•	

Etiologic Agents - Parasites

	Acanthocephala	Arthropods	Cestodes	Diptera	Fleas	Helminths	Lice	Mites	Nematodes	Protozoa	Ticks	Trematodes	Parasites General
Addison, Ed			•						•		•	•	
Bergeson, Doug											•		
Bowes, Victoria													•
Chilton, Neil									•		•		
Conboy, Gary						•			•			•	•
Crichton, Vince			•						•		•	•	•
Elkin, Brett													•
Epp, Tasha													•
Forzan, Maria													•
Gajadhar, Alvin			•						•		•		•
Galloway, T.		•		•	•		•	•		•	•		
Groman, David													•
Hwang, Yeen Ten			•	•	•	•	•		•		•		
Jardine, Claire				•									
Jenkins, Emily									•				•
Jones, Andria													•
Kennedy, Murray													•
Lair, Stephane													•
Lankester, Murray						•			•		•		
Lindsay, Robbin				•	•		•				•		
Marcogliese, David	•	•	•			•			•			•	•
Martin, Don				•									•
Marty, Gary													•
McBurney, Scott													•
McLaughlin, Dan	•		•			•			•			•	
Mead, Sherry													•
Measures, L.N.	•		•	•		•			•			•	•
Morshed, Muhammad						•							•
Murray, Dennis L.			•			•			•		•	•	
Ogden, Nicholas				•							•		•

Etiologic Agents - Bacteria

	Bartonella	Borrelia	Brucella	Clostridium	Francisella	Leptospira	Mannheimia hemolytica	Mycobacterium	Other Enterobacteriaceae	Other spirochetes	Pasteurella	Rickettsia and related	Salmonella	Yersinia	Bacteria General
Artsob, Harvey	•	•	•		•	•						•			
Bergeson, Doug								•							
Bowes, Victoria															•
Elkin, Brett			•					•							•
Epp, Tasha															•
Ferns, Lyn															•
Graham, Catherine								•							
Groman, David															•
Jardine, Claire	•														
Jenkins, Emily							•				•				
Koller-Jones, Maria			•					•							
Lair, Stephane											•				•
Lindsay, Robbin	•	•			•	•									
Lutze-Wallace, Cyril								•							
Marty, Gary															•
McBurney, Scott															•
Mead, Sherry															•
Morshed, Muhammad	•	•	•		•	•				•		•	•	•	•
Nielsen, Ole			•												
Ogden, Nicholas		•													•
Ojkic, Davor						•									
Parmley, Jane															•
Patenaude, Robert															•
Pearl, David															•
Pietroch, Michael															•
Prescott, John				•		•									•
Rogers, Laura															•
Schwantje, Helen															•
Shury, Todd			•					•							
Simard, Manon			•			•		•					•	•	
Slavic, Durda															•
Soos, Catherine											•				•
Uhland, Carl									•				•		•
Whitney, Hugh															•
Wobeser, Gary					•						•				•

Etiologic Agents - Other

	Aging	Climate Change	Degenerative	Inherited / Genetic	Neoplastic	Nutrition	Stress physiology
Blakley, Barry						•	
Bortolotti, Gary							•
Bowes, Victoria					•		
Cattet, Marc	•	•				•	•
Crawshaw, G.J.						•	
Ferns, Lyn	•		•	•	•	•	
Hoff, Brent					•		
Janz, David							•
Jenkins, Emily		•					
Leighton, F.A.		•					
Letcher, Robert		•					
Machin, Karen							•
Marcogliese, David		•					•
Marty, Gary	•						
McBurney, Scott	•		•	•	•	•	
Merchant, Philip	•						
Murray, Dennis L.		•				•	•
Obbard, Martyn		•					•
Ogden, Nicholas		•					
Philibert, Helene			•	•	•		
Ross, Peter		•				•	•
Shutt, Laird		•				•	•
Simard, Manon		•					
Soos, Catherine						•	•
Vijayan, Matt	•	•				•	•
Whiteside, Doug						•	
Wobeser, Gary			•		•	•	

- Forensic Identification

	Ballistics	Drug Identification	Hair	Osteology	Serology	Species Identification	Forensic General
Anderson, Gail	•						
Blakley, Barry							•
Bollinger, Trent							•
Campbell, Doug							•
Campbell, Linda			•				
Cooper, Ernie						•	
Hoff, Brent		•	•				
Jobin, Rick		•	•	•	•	•	
McBurney, Scott							•
McClymont, Bob							•
Merchant, Philip			•			•	•
Mineau, Pierre							•
Nielsen, Ole					•		
Patenaude, Robert	•	•		•		•	•
Schwantje, Helen							•
Whitney, Hugh							•
Wobeser, Gary	•						•

EXPERTISE DIRECTORY - CONTACTS

Ed Addison

Address:

Executive Manager
Wildlife Disease Association
107 Kennedy Street West
Aurora ON L4G 2L8
Email: ecolink@aci.on.ca

Specimen Type: none

Gail Anderson

Address:

School of Criminology
Simon Fraser University
8888 University Drive
Burnaby BC V5A 1S6
Phone: 778 782 3589
Email: ganderso@SFU.ca

Discipline: forensic entomology

Forensic Other: Time of death

Specialized Techniques: time of death

Analytic Techniques: time of death, timing of wounding

Requirements for Examinations: prior telephone consultation

General Notes: Interested in anything dead with insects on it - to determine time of death.

Harvey Artsob

Address:

Public Health Agency of Canada
1015 Arlington Street
Winnipeg MB R3E 3R2
Phone: 204 789 2134
Email: Harvey_Artsob@phac.aspc.gc.ca

Speciality: Zoonoses/public health

Viruses Other: Filoviruses, Bunya viruses, e.g. hantaviruses, California serogroup, Cache Valley

Analytic Techniques: PCR, serology, culture

Requirements for Examinations: Prior consultation

Specimen Type: Diagnostic

Doug Bergeson

Address:

Parks Canada
Riding Mountain National Park of Canada
118 Wasagaming Drive
Wasagaming MB R0J 2H0
Phone: 204 848 7237
Email: doug.bergeson@pc.gc.ca

Analytic Techniques: Limited to gross pathology

Requirements for Examinations: telephone consultation before any specimen sent

Specimen Type: ungulates

Barry Blakley

Address:

Vet. Biomedical Sciences, WCV
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4
Phone: 306 966 7350
Email: barry.blakley@usask.ca

Analytic Techniques: Analytical techniques for metals and some organic agents

Requirements for Examinations: prior consultation desirable; fixed/fresh specimens, depends upon analysis; fee for service normally required

Specimen Type: tissues, blood, feed, water

Trent Bollinger

Address:

CCWHC, W/N Region
c/o Vet. Pathology, WCV
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4
Phone: 306 966 5153
Email: trent.bollinger@usask.ca

Specimen Type: pathology submissions

Prions: CWD

Gary Bortolotti

Address:

Dept. of Biology
University of Saskatchewan
112 Science Place
Saskatoon SK S7N 5E2
Phone: 306 966 4439
Email: gary.bortolotti@usask.ca

Discipline: general ecology

Analytic Techniques: species ID, some aspects of general health and well-being

Requirements for Examinations: phone consultation

Specimen Type: birds

Victoria Bowes

Address:

Animal Health Centre, B.C. Ministry of Agriculture and Food
1767 Angus Campbell Road
Abbotsford BC V3G 2M3
Phone: 604 556 3003
Email: Victoria.Bowes@gov.bc.ca

Speciality: avian pathology

Specialized Techniques: gross necropsy, histopathology

Analytic Techniques: BC Animal Health Centre is a full service veterinary diagnostic laboratory.

Requirements for Examinations: pre-arrangement consultation, possible fee for service (to be determined case by case)

Specimen Type: carcasses and tissues

Birgit Braune**Address:**

Environment Canada
Wildlife Toxicology - Section
1125 Colonel By Drive/Raven Road
Ottawa ON K1A 0H3

Phone: 613 998 6694**Email:** birgit.braune@ec.gc.ca**Birds Specifics:** marine birds

Neil M. Burgess**Address:**

Wildlife Toxicology - Environment Canada
Northern Conservation
6 Bruce Street
Mount Pearl (St John's)
NL A1N 4T3

Phone: 709 772 4143**Email:** neil.burgess@ec.gc.ca

Sharon Calvin**Address:**

Ontario Ministry of Health and Long-Term Care
8th Floor, 5700 Yonge Street
Toronto ON M2M 4K5

Phone: 416 327 7452**Email:** sharon.calvin@ontario.ca

Doug Campbell**Address:**

CCWHC
Ontario Veterinary College - Pathobiology
University of Guelph
Guelph ON N1G 2W1

Phone: 519 824 4120 x 54556**Email:** dgcampbe@uoguelph.ca**Speciality:** wildlife**Specimen Type:** carcasses, fresh or fixed tissue, glass slides

Linda Campbell**Address:**

Department of Biology
Queen's University
Kingston ON K7L 3N6

Phone: 613 533 2849**Email:** linda.campbell@queensu.ca**Fish Specifics:** some marine**Forensic Other:** toxic substances in hair/fur/scales**Analytic Techniques:** I can provide analyses of mercury, metals**Requirements for Examinations:** email consultation, fee for service (to cover costs)**Specimen Type:** any

Suzanne Carman

Address:

Animal Health Laboratory
University of Guelph
Box 3612

Guelph ON N1H 6R8

Phone: 519 824 4120 x 54551

Email: scarman@Lsd.uoguelph.ca

Mammals Specifics: NOT primates or human samples

Viruses Other: diagnostic virology for domestic mammals

Viruses Specific: not rabies virus, not human or primate viruses

Analytic Techniques: virus isolation, PCR as available for routine submissions from domestic animals and serology for routine tests offered by Animal Health Laboratory. These include tests for CDV, parvovirus (MEV/FPV/CPV-2), BVDV and other viruses of domestic mammals

Requirements for Examinations: prior telephone consultation, fee for service, must be tested as rabies NEGATIVE before forwarding if rabies could be a differential diagnosis (both IFA and cell culture).

Specimen Type: post mortem samples, blood, serum, feces. Not human or primate samples.

Marc Cattet

Address:

CCWHC c/o Vet. Pathology, WCVN
University of Saskatchewan

52 Campus Drive

Saskatoon SK S7N 5B4

Phone: 306 966 2162

Email: marc.cattet@usask.ca

Discipline: conservation medicine

Analytic Techniques: protein array for detection of long-term stress, measurement of hair cortisol for evaluation of long-term stress

Requirements for Examinations: prior telephone consultation before any specimen sent, fee for service

Specimen Type: skin/muscle samples, hair samples

Neil Chilton

Address:

Dept. of Biology

University of Saskatchewan

112 Science Place

Saskatoon SK S7N 5E2

Phone: 306 966 4407

Email: neil.chilton@usask.ca

Parasites Specifics: strongylida

Analytic Techniques: morphological identification, molecular characterization

Requirements for Examinations: fee for any molecular work

Specimen Type: ticks of any kind

Bob Clark**Address:**

Canadian Wildlife Service
Environment Canada
115 Perimeter Road
Saskatoon SK S7N 0X4

Phone: 306 975 4110

Email: bob.clark@ec.gc.ca

Speciality: avian ecology and demography

Specialized Techniques: mark/recapture techniques

General Notes: I am interested in effects of disease (immunocompetence) on survival and reproductive success of birds and study (with grad students) interactions with nutrition, climate and other ecological factors.

Gary Conboy**Address:**

Pathology and Microbiology
Atlantic Veterinary College
University of Prince Edward Island
550 University Avenue
Charlottetown PE C1A 4P3

Phone: 902 566 0965

Email: conboy@upei.ca

Requirements for Examinations: prior telephone consultation - all other details to be determined on case-by-case basis

Specimen Type: fecal exams; whole worm identifications; helminth identification on H & E stained section

Francis R. Cook**Address:**

Researcher Emeritus/Research Associate
Canadian Museum of Nature
PO Box 3443, Station D
Ottawa ON K1P 6P4

Phone: 613 364 4016

Email: cfn@ofnc.ca

Discipline: taxonomy, systematics, ecology of Canadian amphibians and reptiles

Speciality: authority on host identification

Amphibia Specifics: all Canadian species

Reptiles Specifics: all Canadian species

Requirements for Examinations: don't want to handle any animal that can transfer disease

Specimen Type: whole host specimens for taxonomic identification of host

Ernie Cooper

Address:

Director, TRAFFIC & Wildlife Trade
WWF Canada
Suite 1588
409 Granville Street
Vancouver BC V6C 1T2
Phone: 604 694 6656
Email: ecooper@WWFCanada.org

Discipline: wildlife trade.

Speciality: trade in species. Identification of parts, pieces and derivatives

Analytic Techniques: identification of species in trade, especially products and parts

Requirements for Examinations: email correspondence and/or photos prior to sending specimens.

Specimen Type: products. Dried or otherwise preserved specimens in trade - including parts.

Nathalie Cote

Address:

Vet-RAIZO
Ministere de l'Agriculture, des
Pecheries et de l'Alimentation du Quebec
5195, boulevard des Forges, bureau 55
Trois-Rivieres QC G8Y 4Z3
Phone: 819 371 6844
Email: nathalie.cote@mapaq.gouv.qc.ca

Parasites Specifics: trichinella

Analytic Techniques: I can examine live animals. I can collect dead animals and send them to MAPAQ Lab.

Requirements for Examinations: phone consultation

Prions: CWD

G.J. Crawshaw

Address:

Senior Veterinarian
Toronto Zoo
361 A Old Finch Ave.
Scarborough ON M1B 5K7
Phone: 416 392 5977
Email: gcrawshaw@torontozoo.ca

Discipline: surgery/implantation

Vince Crichton

Address:

Wildlife. & Ecosystem Protection Br.
Conservation Programs Division
Manitoba Conservation
Box 24
200 Saulteaux Crescent
Phone: 204 945 6815
Email: vince.crichton@gov.mb.ca

Analytic Techniques: General lab postmortem, specimen collection

Requirements for Examinations: prior consultation

Specimen Type: large mammals, predators, furbearer

Brett Elkin**Address:**

Wildlife Division
Dept. of Environment and Natural Resources
Gov't of the NWT
Yellowknife NT X1A 3S8

Phone: 867 873 7661**Email:** brett_elkin@gov.nt.ca**Mammals Specifics:** caribou, wood bison, muskox, bears (grizzly and black)**Bacteria Specifics:** Bacillus anthracis

Tasha Epp**Address:**

Large Animal Clinical Sciences, WCVM
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4

Phone: 306 966 6542**Email:** tasha.epp@usask.ca**Speciality:** epidemiology**Bacteria Specifics:** zoonotic ones**Parasites Specifics:** zoonotic ones**Viruses Specific:** zoonotic ones**Prions:** BSE, CWD, Scrapie

Lyn Ferns**Address:**

Veterinary Services Section
NS Dept. Agriculture
Box 550
65 River Road
Truro NS 2N 5E3

Phone: 902 893 6256**Email:** FernsLe@ns.gov.ca

Guy Fitzgerald**Address:**

Faculté de médecine vétérinaire
Université de Montréal
3200, rue Sicotte
Saint-Hyacinthe QC J2S 2M2

Phone: 514 345 8521 x 18557**Email:** guy.fitzgerald@umontreal.ca

María Forzán

Address:

CCWHC
Pathology and Microbiology
Atlantic Veterinary College
University of Prince Edward Island
550 University Avenue
Phone: 902 566 0545
Email: mforzan@upei.ca

Fish Specifics: cod, salmon, halibut

Requirements for Examinations: prior communication by phone or email, payment for service only if in agreement with employer

Specimen Type: frozen carcasses, histology slides (routine and special stains)

Fungi: Batrachochytrium dendrooatidis

Dan Frandsen

Address:

Prince Albert National Park
PO Box 100
Waskesiu Lake SK S0J 2Y0
Phone: 306 663 4541
Email: Dan.frandsen@pc.gc.ca

Speciality: Zoonoses/Public Health

General Notes: I am an ecosystem health specialist or ecologist with expertise in assessing the health of ecosystems through Ecological Integrity monitoring.

Alvin Gajadhar

Address:

Canadian Food Inspection Agency
Saskatoon Laboratory
116 Veterinary Road
Saskatoon SK S7N 2R3
Phone: 306 975 5344
Email: agajadhar@inspection.gc.ca

Parasites Protozoa: Toxoplasma, Sarcocystis, Eimeria, Besnoitia, Isospora, Cyclospora, trichomonads, Babesia, Theileria

Requirements for Examinations: prior consultation

T. Galloway

Address:

Dept. of Entomology
University of Manitoba
Winnipeg MB R3T 2N2
Phone: 204 474 6024
Email: Terry_Galloway@umanitoba.ca

Speciality: ectoparasitology, veterinary entomology

Requirements for Examinations: none, as long as numbers of specimens are not large

Specimen Type: insects and related arthropods

Elena J. Garde**Address:**

4621 Koksilah Road
and Sitka Veterinary Services
Duncan BC V9L 6N6

Phone: 250 709 5448, 250 746 6143**Email:** Elena.Garde@SitkaVeterinary.com**Specialized Techniques:** Stable isotope analysis to study bird migration and disease movements**Analytic Techniques:** deuterium, nitrogen and carbon isotopes**Requirements for Examinations:** fee for service, prior consultation on what researcher hopes to have answered, prior consultation on what samples to take, and preservation**Specimen Type:** feathers, blood, claws

John Giesy**Address:**

Toxicology Centre
44 Campus Drive
University of Saskatchewan
Saskatoon SK S7N 5B3

Phone: 306 966 9620**Email:** J. Giesy@AOL.com**Mammals Specifics:** mink, otter**Toxins/Poisons Other:** PCBs, PCDD/DF**Analytic Techniques:** chemical analysis**Requirements for Examinations:** I can only do analytical and bioanalytical analysis for toxicological evaluation**Specimen Type:** tissue samples

Purnima Govindarajulu**Address:**

PO Box 9338
STN PROV GOVT
Victoria BC V8W 9M1

Phone: 250 387 9755**Email:** Purnima.Govindarajulu@gov.bc.ca**Amphibia Specifics:** expertise in emerging infectious diseases in amphibians**Fungi:** Batrachochytrium dendrobatidis (Chytrid Fungus Bd)

Catherine Graham**Address:**

Veterinary Pathologist
Lethbridge Laboratory
Canadian Food Inspection Agency
Box 640 Twp Rd. 9-1
Lethbridge AB T1J 3Z4

Phone: 403 382 5527**Email:** grahamc@inspection.gc.ca**Analytic Techniques:** immunohistochemistry and other immunologic detection of prions. Level 3 post mortem and laboratory facilities.**Requirements for Examinations:** prior consultation before specimen submission; approval of management for participation in examinations (outside of mandate of CFIA)**Prions:** CWD, BSE, scrapie

David Groman**Address:**

Aquatic Diagnostic Services
Atlantic Veterinary College University
of Prince Edward Island
550 University Avenue
Charlottetown PE C1A 4P3

Phone: 902 566 0864**Email:** groman@upei.ca**Speciality:** fish pathology**Analytic Techniques:** general fish diagnostics**Requirements for Examinations:** not too autolyzed**Specimen Type:** live or dead

Jerry Haigh**Address:**

Large Animal Clinical Sci., WCV
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4

Phone: 306 373 4241**Email:** jerry.haigh@usask.ca**Mammals Specifics:** African wildlife, cervids

Martin Haulena**Address:**

Staff Veterinarian
Vancouver Aquarium
PO Box 3232
Vancouver BC V6B 3X8

Phone: 604 659 3465**Email:** Martin.Haulena@vanaqua.org**Speciality:** veterinary medicine - particularly clinical medicine of aquatic species; other zoo and wildlife species secondary**Analytic Techniques:** assessment of clinical data, physical examination, gross post mortem findings, and clinical pathology results**Specimen Type:** lab results, photographs, clinical records

Brent Hoff**Address:**

Animal Health Laboratory
University of Guelph
Guelph OH N1G 2W1

Phone: 519 821 2584**Email:** bhoff@lsd.uoguelph.ca**Discipline:** clinical pathology**Analytic Techniques:** toxicology, clinical pathology**Specimen Type:** all, or hematology, cytology, biochemistry

Yeen Ten Hwang

Address:

Provincial Wildlife Health Specialist
Fish and Wildlife Branch
Saskatchewan Environment
3211 Albert Street
Regina SK S4S 5W6

Phone: 306 787 5079

Email: yeenten.hwang@gov.sk.ca

Speciality: mammalogy population ecology

Mammals Specifics: mammalogy, population, ecology

Parasites Protozoa: coccidia, giardia, cryptosporidium

Analytic Techniques: standard parasitology technique for helminths of small mammals

Requirements for Examinations: prior telephone consultation before any specimen sent

Specimen Type: parasites of small mammals, endo and ecto parasites

David Janz

Address:

Toxicology Centre
44 Campus Drive
University of Saskatchewan
Saskatoon SK S7N 5B3

Phone: 306 966 7434

Email: david.janz@usask.ca

Speciality: ecotoxicology

Analytic Techniques: biochemical toxicology - various enzyme, hormone assays

Specimen Type: blood/plasma/serum, tissue - collected and frozen immediately

Claire Jardine

Address:

Ontario Veterinary College
Pathobiology
University of Guelph
Guelph ON N1G 2W1

Phone: 519 824 4120 x 54656

Email: cjard01@uoguelph.ca

Mammals Specifics: small mammals (mice, voles); hares; ground squirrels; raccoons, skunks

Bacteria Specifics: Some work on plague in prairie dogs in Canada (collecting samples); antimicrobial resistance in wildlife; some work on Leptospira and Salmonella in raccoons, skunks

Specialized Techniques: - involved in research, not diagnostics. My projects involve trapping and collecting samples for research purposes.

Emily Jenkins

Address:

Vet. Microbiology
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4

Phone: 306 966-7210

Email: emily.jenkins@usask.ca

Discipline: Parasitology, Disease Ecology, Zoonoses/Public Health

Birds Specifics: Cormorants, Pelicans

Mammals Specifics: Ungulates

Bacteria Specifics: Pastuerella, Mannheimia hemolytica

Viruses Specific: Influenzavirus

Specifics Other: Climate Change

Analytic Techniques: Morphological, possibly molecular, identification of some parasites

Requirements for Examinations: Telephone consultation. I would prefer that they be submitted through PDS or parasite research laboratory when possible.

Specimen Type: Parasites

Rick Jobin

Address:

Special Investigations and Forensic Services
Sustainable Resource Development
7th Floor OS Longman Bldg.
6909 - 116th Street
Edmonton AB T6H 4P2

Phone: 780 422 3194

Email: rick.jobin@gov.ab.ca

Speciality: forensics

Birds Specifics: eagles

Fish Specifics: walleye

Mammals Specifics: large game species

Forensic Specifics: Most work is done with DNA

Analytic Techniques: our lab only does forensic analysis

Requirements for Examinations: proper continuity and packaging, and an agreement with the province.

Andria Jones

Address:

Population Medicine
Ontario Veterinary College
University of Guelph
Guelph ON N1G 2W1

Phone: 519 824 4120 x 54786

Email: aqjones@uoguelph.ca

Birds Specifics: birds used for food (aboriginal communities)

Fish Specifics: fish used for food (aboriginal communities)

Mammals Specifics: mammals used for food (aboriginal communities)

Parasites Specifics: Part of an IPY study that is examining wildlife used for food for: toxoplasma, trichinella, and anisakids

Analytic Techniques: epidemiology - study design, analyses

Specimen Type: n/a but could help with design/analyses

Ian Keith**Address:**

Ministry of Agriculture and Lands (BCMAL)
103 - 2435 Mansfield Drive
Courtenay BC V9N 2M2
Phone: 250 703 2435

Speciality: fish health management

Bacteria Other: marine: renibacterium, aeromonads, vibrio, flexibacater, rickettsia

Parasites Protozoa: microsporidia, myxosporeans

Parasites Other: sea lice

Viruses Other: IHN, VHS

Requirements for Examinations: prior telephone consult (and likely re-direction to AHC lab in Abbotsford).

Specimen Type: photos?

General Notes: Our lab is largely a BacT and histo prep lab. All field samples are subsequently sent to BCMAL's animal Health Centre (AHC) CL3 lab for diagnostic workup - virol, BacT, molecular, histopath

Murray Kennedy**Address:**

Alberta Agriculture
6909 - 116th St.
Edmonton AB T6H 4P2
Phone: 780 427 8268
Email: murray.kennedy@gov.ab.ca

Requirements for Examinations: prior telephone call. At that time I would discuss preservative and appropriate sample.

Specimen Type: whole specimens, preserved or fresh

Maria Koller-Jones**Address:**

Canadian Food Inspection Agency
Animal Disease Control
59 Camelot Drive
Ottawa ON K1A 0Y9
Phone: 613 221 4650
Email: mkoller@inspection.gc.ca

Speciality: disease control/eradication/prevention strategies

Mammals Specifics: ruminants

Analytic Techniques: Mycobacteria - isolation, serology, PCR, other blood - tissue assays; Brucella - as above

Requirements for Examinations: prior consultation before sending specimens - no fees - acknowledgement in any publications arising from the submission

Specimen Type: suspect cases of tuberculosis or brucellosis in any wildlife species, particularly terrestrial animals

Stéphane Lair**Address:**

Faculté de médecine vétérinaire

Université de Montréal

3200, rue Sicotte

Saint-Hyacinthe QC J2S 2M2

Phone: 450 778 8521 x 18667

Email: stephane.lair@umontreal.ca

Requirements for Examinations: prior phone consultation

Specimen Type: Fixed tissues for histopathology

Murray Lankester**Address:**

2001, #101 Bluejay Place

Courtney BC V9N 4A8

Email: murray.lankester@lakeheadu.ca

Requirements for Examinations: prior telephone consult; ideally before collection; certainly before sending species

Specimen Type: fixed/preserved specimens in vials

F.A. Leighton**Address:**

CCWHC c/o Vet Pathology, WCVN

University of Saskatchewan

52 Campus Drive

Saskatoon SK S7N 5B4

Phone: 306 966 7281

Email: ted.leighton@usask.ca

Analytic Techniques: Full service veterinary laboratory diagnostic services

Requirements for Examinations: Within Canada - consultation in advance is advised but not always essential International - consultation in advance required

Specimen Type: Fresh or fixed tissues, whole animals

Prions: CWD

Robert Letcher**Address:**

Environment Canada

Wildlife Toxicology - Section

1125 Colonel By Drive/Raven Road

Ottawa ON K1A 0H3

Phone: 613 998 6696

Email: robert.letcher@ec.gc.ca

Robbin Lindsay

Address:

Public Health Agency of Canada
National Microbiology Laboratory
1015 Arlington Street
Winnipeg MB R3E 3R2
Phone: 204 789 6060
Email: robbin_lindsay@phac-aspc.gc.ca

Discipline: entomology

Analytic Techniques: isolation/culture, serology (sometimes), intracranial inoculation of suckling mice, molecular diagnostics (PCR, RT-PCR, etc.)

Requirements for Examinations: appropriate notification/requests

Specimen Type: any

John Lumsden

Address:

Ontario Veterinary College
Pathobiology
University of Guelph
Guelph ON N1G 2W1
Phone: 519 824 4120 x 54519
Email: jsl@uoguelph.ca

Speciality: fish health, pathology, infectious disease

Fish Specifics: all

Bacteria Other: flavobacterium, aeromonas, etc.

Viruses Other: VHSV - viral hemorrhagic septicemia virus

Analytic Techniques: All agents listed - IHC, PCR, etc.

Requirements for Examinations: phone first to discuss submission requirements and cost

Specimen Type: any fish

General Notes: Pathology

Cyril Lutze-Wallace

Address:

A/Director, ON Animal Health Lab
Canadian Food Inspection Agency
Ottawa Laboratory (Fallowfield)
3851 Fallowfield Road
PO Box 11300
Phone: 613 228 6698
Email: lwallacecy@inspection.gc.ca

Analytic Techniques: PCR for detection of TB complex organisms and M. avium complex. Spoligotyping.

Requirements for Examinations: by prior arrangement only

Specimen Type: culture, tissues with lesions and presence of AFB (fixed)

Karen Machin**Address:**

Vet. Biomedical Sciences, WCV
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4
Phone: 306 966 7412
Email: karen.machin@usask.ca

Speciality: physiology

Viruses Specific: WNV

Specialized Techniques: H NMR metabolomics (Nuclear Magnetic Resonance)

General Notes: Interested in collaboration on research projects

David Marcogliese**Address:**

Environment Canada
Fluvial Ecosystem Research
105 McGill Street, 7th Floor
Montreal QC H2Y 2E7
Phone: 514 283 6499
Email: david.marcogliese@ec.gc.ca

Speciality: helminths, arthropods

Fish Specifics: helminths, arthropods

Parasites Other: crustaceans

Requirements for Examinations: prior consultation, specimen preservation. Not primarily a diagnostic service.

Specimen Type: helminths and arthropods of fish and frogs

Don Martin**Address:**

Ontario Ministry of Health and Long-term Care
Laboratories Branch
81 Resources Road
Etobicoke ON M9P 3T1
Phone: 416 235 6011
Email: donald.martin@ontario.ca

Parasites Other: amoebae, coccidia, haemosporina, trypanosomatids

Specialized Techniques: PCR/sequencing for ID

Analytic Techniques: Staining for intestinal blood and tissue parasites

Requirements for Examinations: prior consultation to determine if I am a suitable expert for the test requested.

Specimen Type: stools, biopsy, blood, isolated worms/arthropods

Gary Marty**Address:**

Animal Health Centre
B.C. Ministry of Ag. And Lands
1767 Angus Campbell Road
Abbotsford BC V3G 2M3

Phone: 604 556 3123**Email:** Gary.Marty@gov.bc.ca**Toxins/Poisons Other:** mesomycetozoon-Ichthyophonus hoferi**Viruses Specific:** VHSV**Specialized Techniques:** histopathology, immunohistochemistry**Analytic Techniques:** Piscirickettsiae salmonis**Requirements for Examinations:** telephone consultation**Specimen Type:** paraffin sections

Scott McBurney**Address:**

Pathology and Microbiology
Atlantic Veterinary College
Univ. of Prince Edward Island
550 University Avenue
Charlottetown PE C1A 4P3

Phone: 902 566 0959**Email:** smcburney@upe.ca**Mammals Specifics:** moose**Specialized Techniques:** pathology**Requirements for Examinations:** paid shipping cost and prior notification to sample being sent**Specimen Type:** any and all, ie. Whole body, parts, histo**Fungi:** General

Bob McClymont**Address:**

Alberta Fish & Wildlife
6909 116th St.
Edmonton AB T6H 4P2

Phone: 780 422 3196**Email:** bob.mcclymont@gov.ab.ca**Requirements for Examinations:** prior telephone consultation**Specimen Type:** any

Dan McLaughlin**Address:**

Dept. of Biology
Concordia University
1455 De Maisonneuve Blvd West
Montreal QC H3G 1M8

Phone: 514 848 2424 x 3409**Email:** mcljd@alcor.concordia.ca**Requirements for Examinations:** prior consultation; properly preserved GT0H/formalin; preferably no frozen material - particularly flatworms**Specimen Type:** cestodes, flukes, acanthocephalans - some nematodes

Sherry Mead

Address:

Freshwater Fisheries Society of BC
2080A Labieux Rd.
Nanaimo BC V9T 6J9
Phone: 250 760 2725
Email: sherry.mead@gofishbc.com

Fish Specifics: rainbow trout, brook char, kokanee salmon, cutthroat trout, steelhead, white sturgeon

Specialized Techniques: tissue culture, some PCR, bacteriology, special stains

Analytic Techniques: tissue culture for IHNV, IPNV, VHSV, white sturgeon viruses, herpes virus salmonis; bacterial culture: TSA, Sheih's media, cytophaga media, TYES media, basic bacteria ID tests, ie. TSI media, oxidate test, OF media, motility media; various stains, blood hematocrits and stains: O/129, novobiocin sensitivity, indole

Requirements for Examinations: prior telephone consultation, specimens fixed in a certain manner, fee for service

Specimen Type: whole fish or fish tissue, ie. Organs - fresh or frozen, fins

L.N. Measures

Address:

Fisheries and Oceans Canada
Maurice Lamontagne Institute
850, route de la mer, PO Box 1000
Mont-Joli QC G5H 3Z4
Phone: 418 775 0571
Email: Lena.Measures@dfo-mpo.gc.ca

Parasites Specifics: Metastrongyloidea of marine mammals, anisakidae of marine mammals (zoonoses as well)

Specialized Techniques: light microscopy, image analysis, histology

Requirements for Examinations: telephone, appropriate fixation, in some cases histology

Specimen Type: helminths, particularly nematodes

Philip Merchant

Address:

Fish and Wildlife Branch
Dept. of Environment
Box 2703
Whitehorse YT Y1A 2C6
Phone: 867 667 5285
Email: philip.merchant@gov.yk.ca

Speciality: ageing of selected mammals and fish

Fish Specifics: ageing from otoliths

Mammals Specifics: Thin horned sheep. Ageing from tooth cementum

Forensic Specifics: limited, according to sample and type

Analytic Techniques: age determination from tooth cementum analysis of most Northern ungulates and carnivores. Extensive experience in age determination of thin horn sheep from horn annuli.

Requirements for Examinations: prior discussion of sample type, storage method, and expectations

Specimen Type: teeth and otoliths for age determination, thin horn sheep horns, otoliths

Dean Middleton**Address:**

Public Health Branch
Ontario Ministry of Health and Long-term Care
8th Floor, 5700 Yonge Street
Toronto ON M2M 4K5

Phone: 416 327 7422**Email:** Dean.Middleton@ontario.ca**Analytic Techniques:** public health

Pierre Mineau**Address:**

Environment Canada
Wildlife Toxicology - Section
1125 Colonel By Drive/Raven Road
Ottawa ON K1A 0H3

Phone: 613 998 0518**Email:** pierre.mineau@ec.gc.ca**Speciality:** pesticides

Muhammad Morshed**Address:**

Zoonotic and Emerging Pathogens
BC Centre for Disease Control
655 12th Ave W
Vancouver BC V5Z 4R4

Phone: 604 660 6074**Email:** mmorshed@interchange.ubc.ca**Viruses Other:** Hanta (Bunyaviridae)**General Notes:** All parasites**Fungi:** Cryptococcus

Dennis L. Murray**Address:**

Department of Biology
Trent University
Peterborough ON K9J 7B8

Phone: 705 748 1011 x 7078**Email:** dennismurray@trentu.ca**Speciality:** Role of parasites and diseases on behavioral ecology and population dynamics**Mammals Specifics:** moose, hares, rodents**Viruses Specific:** ranavirus**Specialized Techniques:** mostly in free-ranging systems/live animals in lab**Fungi:** Saprolegnia

Ole Nielsen

Address:

Department of Fisheries & Oceans
501 University Crescent
Winnipeg MB R3T 2N6

Phone: 204 983 5124

Email: Ole.Nielsen@DFO-MPO.GC.CA

Discipline: serology

Mammals Specifics: sea otters

Viruses Other: picornaviruses

Forensic Specifics: serology, but not for forensics

Analytic Techniques: I have cell lines specific for the isolation of viruses from marine mammals. I have the so-called SLAM cell line useful for isolating morbilliviruses. I can do serum neutralization testing for morbillivirus "exposure" in marine mammals, otters, foxes, lions, etc.

Requirements for Examinations: A phone call would be nice - so I can get ready for incoming samples.

Specimen Type: fresh/frozen samples of tissues where a virus is suspected. Fresh/frozen serum/whole blood for morbillivirus antibody serology

Martyn Obbard

Address:

Wildlife Research and Development Section
Ontario Ministry of Natural Resources
DNA Building, Trent University
2140 East Bank Dr.

Peterborough ON K9J 7B8

Phone: 705 755 1549

Email: martyn.obbard@ontario.ca

Mammals Specifics: black bear, polar bear

Nicholas Ogden

Address:

Département de sciences cliniques
Faculté de médecine vétérinaire
Université de Montréal
3200, rue Sicotte

Saint-Hyacinthe QC J2S 2M2

Phone: 450 773 8521 x 18643

Email: nicholas_ogden@phac-aspc.gc.ca

Bacteria Specifics: vector-borne

Viruses Specific: vector-borne

Analytic Techniques: data analyses, modelling

Specimen Type: data

Davor Ojkic**Address:**

Animal Health Laboratory
University of Guelph
Guelph ON N1G 2W1

Phone: 519 824 4120 x 54524**Email:** dojkic@lsd.uoguelph.ca**Analytic Techniques:** characterization of viruses by various methods**Requirements for Examinations:** there will be a fee in most situations**Specimen Type:** any**Prions:** CWD

Dennilyn Parker**Address:**

Small Animal Clinical Sci., WCV
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4

Phone: 306 966 7073**Email:** dennilyn.parker@usask.ca**Analytic Techniques:** clinical medicine of living animals**Specimen Type:** live ones

Jane Parmley**Address:**

Ontario Veterinary College
Pathobiology
University of Guelph
Guelph, ON N1G 2W1

Phone: 519 824-4120 x 54556**Email:** jparmley@uoguelph.ca**General Notes:** I'm interested in the epidemiology/population effects of disease agents in all populations. I'm not an expert in any one of these species groups/etiologic agents.

John Pasick**Address:**

Head, CSF/Avian Diseases Unit
CFIA

Foreign Animal Diseases
1015 Arlington Street
Winnipeg MB R3E 3M4

Phone: 204 789 2013**Email:** jpasick@inspection.gc.ca**Viruses Specific:** avian influenza virus, avian paramyxoviruses, classical swine fever virus, epizootic hemorrhagic disease virus, bluetongue virus**Analytic Techniques:** quantitative PCR assays for AIV, APMV, EHDV, BTV, CSFV; virus isolation/nucleic acid sequencing/phylogenetic analysis; immunohistochemistry for AIV**Requirements for Examinations:** prior telephone consultation before specimen submission**Specimen Type:** fresh and formalin-fixed tissues

Robert Patenaude**Address:**

MRNF
880 Chemin Ste Foy, 2e etage
Quebec QC G1S 4X4

Phone: 418 627 8692 x 7480

Analytic Techniques: will refer to provincial wildlife pathology lab, CCWHC Ste. Hyacinthe
Requirements for Examinations: prior telephone conversation

Brent Patterson**Address:**

Ministry of Natural Resources
Wildlife Research and Development Section
Trent University, DNA Building
2140 East Bank Drive
Peterborough ON K9J 7B8

Phone: 705 755 1553

Email: brent.patterson@ontario.ca

Analytic Techniques: Willing to provide advice regarding surveillance strategies for disease in free-ranging ungulates

David Pearl**Address:**

Ontario Veterinary College
Population Medicine
University of Guelph
Guelph ON N1G 2W1

Phone: 519 824 4120 x 54748

Email: dpearl@uoguelph.ca

Speciality: analytical epidemiology and disease surveillance

General Notes: I would be glad to offer epidemiological advice concerning study - design or setting up surveillance systems in the following areas: i) analytical epidemiology; ii) spatial epidemiology; iii) molecular epidemiology; iv) quantitative methods for disease surveillance.

Mark Peck**Address:**

Royal Ontario Museum
100 Queen's Park
Toronto ON M5S 2C6

Phone: 416 586 5523

Email: markp@rom.on.ca

Speciality: natural history and breeding biology of Ontario birds, identification of bird parts (feathers, skeletal material)

Birds Specifics: shorebirds

Analytic Techniques: identification of species - birds

Specimen Type: birds

Andrew Peregrine**Address:**

Ontario Veterinary College
University of Guelph
Guelph ON N1G 2W1

Phone: 519 824 4120 x 54714**Email:** aperegri@ovc.uoguelph.ca**Speciality:** clinical parasitology**Mammals Specifics:** usually domestic species**Specialized Techniques:** quantitative epidemiology methods**Requirements for Examinations:** prior phone/email consultation before specimen is sent**Specimen Type:** gross specimens or histology sections

Helene Philibert**Address:**

Vet. Pathology, WCV
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4

Phone: 306 966 2369**Email:** helene.philibert@usask.ca**Requirements for Examinations:** prior telephone consultation**Specimen Type:** whole carcasses, portions of carcasses (fixed or fresh)

Michael Pietroch**Address:**

Toxicology Centre
University of Saskatchewan
44 Campus Drive
University of Saskatchewan
Saskatoon SK S7N 5B3

Phone: 306 966 4067**Email:** michael.pietroch@usask.ca**Requirements for Examinations:** prior telephone consultation

John Prescott**Address:**

Ontario Veterinary College
University of Guelph
Guelph ON N1G 2W1

Phone: 519 824 4120 x 54453**Email:** prescott@uoguelph.ca**Speciality:** bacterial disease**Bacteria Other:** Rhodococcus**Analytic Techniques:** leptospira**Requirements for Examinations:** telephone**Specimen Type:** kidney or urine by arrangement

Margo Pybus**Address:**

Fish & Wildlife Division
Sustainable Resource Development
6909 116th Street
Edmonton AB T6H 4P2

Phone: 780 427 3462**Email:** margo.pybus@gov.ab.ca**Mammals Specifics:** Elk, red fox, raccoon, striped skunk**Requirements for Examinations:** prior consultation**Specimen Type:** fixed helminth specimens or tissue (in situ)**Prions:** CWD

Laura Rogers**Address:**

Animal Health Division
NL Dept. of Natural Resources
PO Box 7400
St. John's NL A1E 3Y5

Phone: 709 729 6879**Email:** laurarogers@gov.nl.ca**Requirements for Examinations:** would prefer a telephone call before submission**Specimen Type:** carcasses for gross pm and histopathology

Rick Rosatte**Address:**

Senior Research Scientist
Ontario Ministry of Natural Resources
Wildlife Research & Development Section, Trent University, DNA Building
2140 East Bank Drive
Peterborough ON K9J 7B8

Phone: 705 755 2280**Email:** rick.rosatte@ontario.ca**Mammals Specifics:** elk, red fox, raccoon, striped skunk**Parasites Other:** P. tenuis

Peter Ross**Address:**

Fisheries & Oceans Canada
Marine Environmental Quality
9860 West Saanich Road
PO Box 6000
Sidney BC V8L 4B2

Phone: 250 363 6806**Email:** PETER.S.ROSS@DFO_MPO.GC.CA**Fish Specifics:** salmon

W.M. Samuel**Address:**

Dept. of Biological Sciences
University of Alberta
Edmonton AB T6G 2E9

Phone: 780 429 6588**Email:** bill.samuel@ualberta.ca**Speciality:** protostrongylid nematodes; ticks; lice**Requirements for Examinations:** telephone or email prior to**Specimen Type:** Dermacentor ticks

A. Scheuhammer**Address:**

Environment Canada
Wildlife Toxicology - Section
NWRC, 1125 Colonel By Drive/Raven Road
Ottawa ON K1A 0H3

Phone: 613 998 6695**Email:** tony.scheuhammer@ec.gc.ca**Speciality:** ecotoxicology of metals, esp. mercury, lead, selenium**Specialized Techniques:** Metallothionein analysis; neurochemical endpoints (eg. Neurotransmitter receptor density); total Hg and methyl Hg analysis; stable Pb isotope analysis**Requirements for Examinations:** must be related to research project for which authorship on peer-reviewed publications is highly likely; not interested in "routine" analyses for which no scientific publication is likely**Specimen Type:** avian or mammalian tissues

Helen Schwantje**Address:**

Ministry of Environment
Ecosystems Branch
4th Floor, 2975 Jutland Road
PO Box 9338
STN PROV GOV

Phone: 250 953 4285**Email:** helen.schwantje@gov.bc.ca**Discipline:** Provide training on various topics; field experience**Mammals Specifics:** wild sheep spp., bears, wolves, cougar**Forensic Specifics:** expert testimony; human attack investigations; cause and time of death**Analytic Techniques:** no laboratory services in-house; gross necropsy**Requirements for Examinations:** consultation by phone/photographs

Mark Sheppard

Address:

Ministry of Agriculture and Lands (BCMAL)
103 - 2435 Mansfield Drive
Courtenay BC V9N 2M2
Phone: 250 703 2436

Discipline: fish health management

Bacteria Specifics: marine: Renibacterium, Aeromonads, Vibrio, Flexibacter, Rickettsia

Parasites Protozoa: microsporidia, myxosporeans

Parasites Other: sea lice

Viruses Other: IHN, VHS

Requirements for Examinations: prior telephone consult

Specimen Type: photos

General Notes: Our lab is largely a BacT and histo prep lab. All field samples are subsequently set to BCMAL's Animal Health Centre CL3 lab for diagnostic workup, via Dr. Gary Marty.

Todd Shury

Address:

Parks Canada
c/o Veterinary Pathology, WCVN
52 Campus Drive
University of Saskatchewan
Saskatoon SK S7N 5B4
Phone: 306 966 2930
Email: todd.shury@pc.gc.ca

Analytic Techniques: No specialized techniques; advice on capture/immobilization protocols for wildlife

Laird Shutt

Address:

Environment Canada
Wildlife Toxicology - Section
1125 Colonel By Drive/Raven Road
Ottawa ON K1A 0H3
Phone: 613 998 7379
Email: Laird.Shutt@ec.gc.ca

Speciality: wildlife toxicology, specializing in birds

Specialized Techniques: Field collections, isotope analysis, Q-PCR, diet analysis, GIS

Analytic Techniques: chemical analytical support through National Wildlife Research Centre; biochemical analysis, including genetic sex determination from avian RBCs

Requirements for Examinations: prior notification

Specimen Type: avian tissues

Manon Simard**Address:**

Nunavik Research Centre

Makivik Corporation

C.P. 179

Kuujuak QC J0M 1C0

Phone: 819 964 2925**Email:** m_simard@makivik.org**Speciality:** General knowledge about wildlife disease, especially of zoonosis concerns, in Nunavik.**Fish Specifics:** Northern fish**Parasites Protozoa:** toxoplasma, giardia, cryptosporidium, besnoitia**Specifics Other:** food safety**Analytic Techniques:** digestion and double separatory funnel technique for trichinella diagnosis**Requirements for Examinations:** Phone consultation to evaluate the situation, samples needed. In what condition samples are needed. Fee for service if we are talking about many samples.**Specimen Type:** muscle suspected to be infected with *Trichinella nativa*.

Geoff Skinner**Address:**

Parks Canada

Jasper National Park of Canada

PO Box 10

Jasper AB T0E 1E0

Phone: 780 852 6226

Durda Slavic**Address:**

Animal Health Laboratory

University of Guelph

Guelph ON N1G 2W1

Phone: 519 824 4120 x 54536**Email:** dslavic@lsd.uoguelph.ca**Analytic Techniques:** bacteriology and mycology culture with species identification; PCR detection of bacterial pathogens; 16SrRNA bacterial identification**Requirements for Examinations:** prior consultation before specimen is sent**Specimen Type:** Any type but rabies suspects

Dale Smith**Address:**

Ontario Veterinary College

Pathobiology

University of Guelph

Guelph ON N1G 2W1

Phone: 519 824 4120 x 54622**Email:** dalesmit@uoguelph.ca**Analytic Techniques:** Currently part of CCWHC Guelph

Judit Smits

Address:

Vet. Pathology, WCV
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4
Phone: 306 966 7445
Email: judit.smits@usask.ca

Birds Specifics: storks, gyphsultures

Mammals Specifics: grey wolf

Specialized Techniques: immunotoxicology, environmental evaluation - how to approach it, how to know when it's required

Analytic Techniques: in live animals - immune function tests, HPLC for retinol and Vit A status (both alive and dead); approach to environmental contaminant-related problems in animals

Requirements for Examinations: prior telephone consultation

Catherine Soos

Address:

Environment Canada
Science and Technology Branch
Wildlife Toxicology and Disease
115 Perimeter Road
Saskatoon SK S7N 0X4
Phone: 306 975 5357
Email: catherine.soos@ec.gc.ca

Bacteria Specifics: P. multocida (cholera) outbreaks and surveillance

Parasites Other: surveillance for avian hemoparasites

Viruses Specific: surveillance for AIV, WNV, NDV

Specifics Other: looking at relations among body condition, measures of stress, reproduction and survival

Specialized Techniques: wildlife disease specialist (generalist)

Analytic Techniques: Data analysis, outbreak investigations, surveillance programs, building local capacity (training, etc.), internationally or in remote areas in Canada

Gordon Stenhouse

Address:

Wildlife Carnivore Biologist
Foothills Model Forest
PO Box 6330
1176 Switzer Drive
Hinton AB T7V 1X6
Phone: 780 865 8388
Email: gordon.stenhouse@gov.ab.ca

Speciality: wildlife ecology

Mammals Specifics: ursids

Specifics Other: capture/handling

Craig Stephen

Address:

Centre for Coastal Health
Malaspina University-College
900 Fifth Street
Nanaimo BC V9R 5S5
Phone: 250 740 6366
Email: cststephen@ucalgary.ca
Discipline: risk assessment, surveillance, policy evaluation

Roly Tinline**Address:**

327 Ellesmeer Avenue
Kingston ON
K7P 3C7

Phone: 613 544 1552**Email:** rowland.tinline@sympatico.ca**Analytic Techniques:** infectious disease montecarlo simulation; spatial analysis of distributions**General Notes:** I am retired but use my home office - 327 Ellesmeer Ave., Kingston ON K7P 3C7

Carl Uhland**Address:**

Département de pathologie et microbiologie
Faculté de médecine vétérinaire
Université de Montréal
3200, rue Sicotte
Saint-Hyacinthe QC J2S 2M2

Speciality: fish health/pathology**Bacteria Other:** Aeromonas, Vibrio**Requirements for Examinations:** prior telephone consultation**Specimen Type:** bacteriological specimens, histopathological specimens

Matt Vijayan**Address:**

Dept. of Biology
University of Waterloo
200 University Avenue West
Waterloo ON N2L 3G1

Phone: 519 888 4567 x 32035**Email:** mvijayan@uwaterloo.ca**Speciality:** stress physiology**Analytic Techniques:** stress steroid levels, sex steroid levels - in serum; stress protins in tissues.

Radioimmunoassay, ELISA, immunodetection (western blotting); gene expression

Requirements for Examinations: prior telephone or email contact**General Notes:** Serum and properly processed tissue samples (quickly frozen on dry ice or liquid N2)

Doug Whiteside**Address:**

Calgary Zoo Animal Health Centre
1625 Centre Ave. E.
Calgary AB T2E 8K2

Phone: 403 232 9390**Email:** dougw@calgaryzoo.ab.ca**Speciality:** zoo medicine and pathology**Requirements for Examinations:** email or phone to discuss**Specimen Type:** vertebrates -- whole, partial, fixed

Hugh Whitney

Address:

Director, Animal Health Division
NL Dept. of Natural Resources
PO Box 7400
St. John's NL A1E 3Y5
Phone: 709 729 6879
Email: hughwhitney@gov.nl.ca

Speciality: responsible for animal diseases of public concern for this province; operate a field veterinary service, diagnostic lab, and encourage research

Parasites Specifics: interest in zoonotics as well as such parasites as angiostrongylus vasorum and elaphostrongylus rangiferi.

Viruses Specific: zoonotics (WNV, AI, California serogroup); Aleutian Disease (domestic mink and wild mustelids)

Analytic Techniques: We are the first line diagnostic lab for this province and refer samples elsewhere when necessary

Requirements for Examinations: need contact with submitter before submission unless routine submission

Specimen Type: any and all

Mark Wickstrom

Address:

Toxicology Centre
44 Campus Drive
University of Saskatchewan
Saskatoon SK S7N 5B3
Phone: 306 966 7446
Email: mark.wickstrom@usask.ca

Laurie Wilson

Address:

Canadian Wildlife Service
5421 Robertson Road
Delta BC V4K 3N2
Phone: 604 940 4679
Email: laurie.wilson@ec.gc.ca

Analytic Techniques: field investigations of multiple bird mortalities; poisoning of wildlife (particularly birds) - diagnostic, symptoms, possible analytical techniques

Requirements for Examinations: consultation

Gary Wobeser

Address:

CCWHC, W/N Region
c/o Vet. Pathology, WCVM
University of Saskatchewan
52 Campus Drive
Saskatoon SK S7N 5B4
Phone: 306 966 7310
Email: gary.wobeser@usask.ca

Analytic Techniques: complete diagnostic service

Specimen Type: any

Fungi: General

Murray Woodbury**Address:**

Large Animal Clinical Sci., WCVM
University of Saskatchewan
52 Campus Drive
Saskatoon SK s7N 5B4

Phone: 306 966 7170

Email: murray.woodbury@usask.ca

Mammals Specifics: cervids, bison

Analytic Techniques: no specialized techniques

Requirements for Examinations: prior phone consultation

Specimen Type: any

J.E. Yang**Address:**

Vita-Tech Laboratories
1345 Denison Street
Markham ON L3R 5V2

Phone: 905 968 6226

Email: jim_yang@idexx.com

Specialized Techniques: concentration by flotation sedimentation techniques staining methods

Requirements for Examinations: prior consultation before specimen sent

Specimen Type: feces; blood

