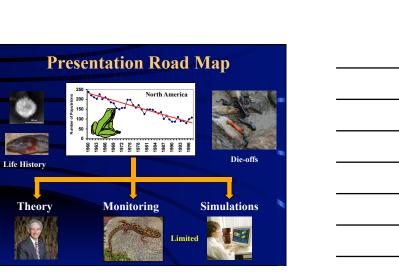
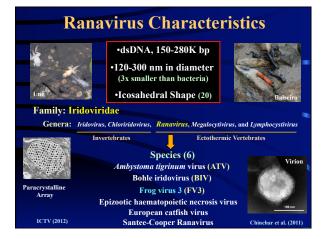
	<b>Ranaviruses:</b> Cry Wolf or Real Threat?
10 am	registrate regist
	Matthew J. Gray
	University of Tennessee Center for Wildlife Health Department of Forestry, Wildlife and Fisheries 3 February 2014, 4:00 PM, Lecture Hall B UF Aquatic Animal Health Program





How Does Ranavirus Infect A Host? Routes of Transmission					
Indirect Transmission	Direct Contact	Ingestion			
Water or Sediment		Incidental.			
Skin, Gills, Intestines (epithelial cells)		Necrophagy, Cannibalism, Predation			
(3 hrs viral transcription)	One Second Skin Contact	(Mortality 2X Faster)			

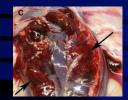






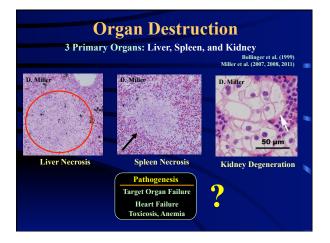








It attacks quickly killing hosts as fast as 3 days! Hoverman et al. (2011a)



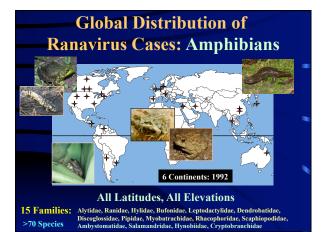


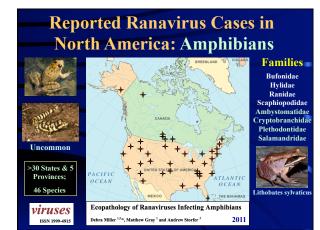


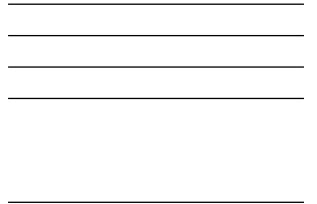




Histor	ry of Ranavirus Die-offs
First Isolated:	•Dr. Allan Granoff •St. Jude Hospital •Lucke herpesvirus •Rana pipiens (1962)
First Large-sca	ele Die-offs: •Dr. Andrew Cunningham •Institute of Zoology, ZSL •Rana temporaria (1992)
First North Am	herican Die-offs: •Dr. Jim Collins and students •Arizona State University •Ambystoma tigrinum stebbinsi (1985, 1997)











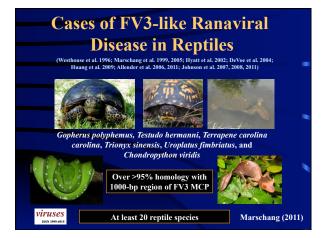


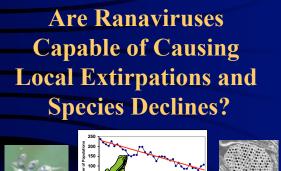




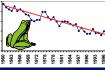


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EHNV, ECV At least 30 fish species LMBV, SGIV	lucioperca, Perca fl	luviatilis, P. flav	escens, Oncorhynchi	is mykiss,
	CHNV, ECV	At least 30 fi	sh species	LMBV, SGIV
Iridovirus infections in finfish – critical review with	Iridovirus infecti	ions in finfish –	critical review wit	h
emphasis on ranaviruses Journal of Fish Diseases R J Whitington, J A Becker and M M Dennis 33:95-122				seases
World Organisation for Animal Health (OE) Reference Laboratory for EHN Virus, Faculty of Veterinary Science, The University of Sydney, Nateralia			oratory for EHN Virus, Faculty of Ve	terinary Science,













(1)Multiple Host Species Where Susceptibility Differs

Is at least one of these conditions satisfied in the ranavirus-host system?

- Survive Outside Host
- (3) Clustering of Individuals • Sexually transmitted disease

