

Directorate for Biological Sciences

Emerging Frontiers

Proposal Classification Form

For each of the categories below, select those attributes that best describe the content of your proposal. You must select at least one attribute in each category. The information you provide assists in fulfilling NSF's reporting requirements.

CATEGORY I: INVESTIGATOR STATUS (Select ONE)

- Beginning Investigator - No previous Federal support as PI or Co-PI, excluding fellowships, dissertations, planning grants, etc.
- Prior Federal support only
- Current Federal support only
- Current & prior Federal support

CATEGORY II: FIELDS OF SCIENCE OTHER THAN BIOLOGY INVOLVED IN THIS RESEARCH (Select 1 to 3)

- | | | |
|---|--------------------------------------|--|
| <input type="checkbox"/> Astronomy | <input type="checkbox"/> Engineering | <input type="checkbox"/> Psychology |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Mathematics | <input type="checkbox"/> Social Sciences |
| <input type="checkbox"/> Computer Science | <input type="checkbox"/> Physics | <input type="checkbox"/> None of the Above |
| <input type="checkbox"/> Earth Science | | |

CATEGORY III: CLASSIFICATION OF ORGANISMS (Select 1 to 4)

- | | | |
|---|--|---|
| <input type="checkbox"/> VIRUSES
<input type="checkbox"/> Bacterial
<input type="checkbox"/> Plant
<input type="checkbox"/> Animal
<input type="checkbox"/> PROKARYOTES
<input type="checkbox"/> Archaeobacteria
<input type="checkbox"/> Cyanobacteria
<input type="checkbox"/> Eubacteria
<input type="checkbox"/> PROTISTA (PROTOZOA)
<input type="checkbox"/> Amoebae
<input type="checkbox"/> Apicomplexa
<input type="checkbox"/> Ciliophora
<input type="checkbox"/> Flagellates
<input type="checkbox"/> Foraminifera
<input type="checkbox"/> Microspora
<input type="checkbox"/> Radiolaria
<input type="checkbox"/> FUNGI
<input type="checkbox"/> Ascomycota
<input type="checkbox"/> Basidiomycota
<input type="checkbox"/> Chytridiomycota
<input type="checkbox"/> Filamentous Fungi
<input type="checkbox"/> Mitosporic Fungi
<input type="checkbox"/> Oomycota
<input type="checkbox"/> Yeasts
<input type="checkbox"/> Zygomycota
<input type="checkbox"/> LICHENS
<input type="checkbox"/> SLIME MOLDS | <input type="checkbox"/> ALGAE
<input type="checkbox"/> Bacillariophyta (Diatoms)
<input type="checkbox"/> Charophyta
<input type="checkbox"/> Chlorophyta
<input type="checkbox"/> Chrysophyta
<input type="checkbox"/> Dinoflagellata
<input type="checkbox"/> Euglenoids
<input type="checkbox"/> Phaeophyta
<input type="checkbox"/> Rhodophyta
<input type="checkbox"/> PLANTS
<input type="checkbox"/> NON-VASCULAR PLANTS
<input type="checkbox"/> BRYOPHYTA
<input type="checkbox"/> Anthocerotae (Hornworts)
<input type="checkbox"/> Hepaticae (Liverworts)
<input type="checkbox"/> Musci (Mosses)
<input type="checkbox"/> VASCULAR PLANTS
<input type="checkbox"/> FERNS & FERN ALLIES
<input type="checkbox"/> GYMNOSPERMS
<input type="checkbox"/> Coniferales (Conifers)
<input type="checkbox"/> Cycadales (Cycads)
<input type="checkbox"/> Ginkgoales (Ginkgo)
<input type="checkbox"/> Gnetales (Gnetophytes)
<input type="checkbox"/> ANGIOSPERMS
<input type="checkbox"/> Monocots
<input type="checkbox"/> Areaceae (Palmae)
<input type="checkbox"/> Cyperaceae
<input type="checkbox"/> Liliaceae
<input type="checkbox"/> Orchidaceae | <input type="checkbox"/> Poaceae (Graminae)
<input type="checkbox"/> Dicots
<input type="checkbox"/> Apiaceae (Umbelliferae)
<input type="checkbox"/> Asteraceae (Compositae)
<input type="checkbox"/> Brassicaceae (Cruciferae)
<input type="checkbox"/> Fabaceae (Leguminosae)
<input type="checkbox"/> Lamiaceae (Labiatae)
<input type="checkbox"/> Rosaceae
<input type="checkbox"/> Solanaceae
<input type="checkbox"/> ANIMALS
<input type="checkbox"/> INVERTEBRATES
<input type="checkbox"/> MESOZOA/PLACOZOA
<input type="checkbox"/> PORIFERA (Sponges)
<input type="checkbox"/> CNIDARIA
<input type="checkbox"/> Hydrozoa (Hydra, etc.)
<input type="checkbox"/> Scyphozoa (Jellyfish)
<input type="checkbox"/> Anthozoa (Corals, Sea Anemones)
<input type="checkbox"/> CTENOPHORA (Comb Jellies)
<input type="checkbox"/> PLATYHELMINTHES (Flatworms)
<input type="checkbox"/> Turbellaria (Planarians)
<input type="checkbox"/> Trematoda (Flukes)
<input type="checkbox"/> Cestoda (Tapeworms)
<input type="checkbox"/> Monogenea (Flukes)
<input type="checkbox"/> GNATHOSTOMULIDA
<input type="checkbox"/> NEMERTINEA (Rynchocoela) (Ribbon Worms)
<input type="checkbox"/> ENTOPROCTA (Bryozoa) (Plant-like Animals) |
|---|--|---|

<input type="checkbox"/> ASCHELMINTHES	<input type="checkbox"/> Ephemeroptera (Mayflies)	<input type="checkbox"/> REPTILIA
<input type="checkbox"/> Gastrotricha	<input type="checkbox"/> Orthoptera (Grasshoppers, Crickets)	<input type="checkbox"/> Chelonia (Turtles, Tortoises)
<input type="checkbox"/> Kinorhyncha	<input type="checkbox"/> Dictyoptera (Cockroaches, Mantids, Phasmids)	<input type="checkbox"/> Serpentes (Snakes)
<input type="checkbox"/> Loricifera	<input type="checkbox"/> Isoptera (Termites)	<input type="checkbox"/> Sauria (Lizards)
<input type="checkbox"/> Nematoda (Roundworms)	<input type="checkbox"/> Plecoptera (Stoneflies)	<input type="checkbox"/> Crocodylia (Crocodilians)
<input type="checkbox"/> Nematomorpha (Horsehair Worms)	<input type="checkbox"/> Phthiraptera (Mallophaga & Anoplura) (Lice)	<input type="checkbox"/> Rhyncocephalia (Tuatara)
<input type="checkbox"/> Rotifera (Rotatoria)	<input type="checkbox"/> Hemiptera (including Heteroptera) (True Bugs)	<input type="checkbox"/> AVES (Birds)
<input type="checkbox"/> ACANTHOCEPHALA (Spiny-headed Worms)	<input type="checkbox"/> Homoptera (Cicadas, Scale Insects, Leafhoppers)	<input type="checkbox"/> Paleognathae (Ratites)
<input type="checkbox"/> PRIAPULOIDEA	<input type="checkbox"/> Thysanoptera (Thrips)	<input type="checkbox"/> Sphenisciformes (Penguins)
<input type="checkbox"/> BRYOZOA (Ectoprocta) (Plant-like Animals)	<input type="checkbox"/> Neuroptera (Lacewings, Dobsonflies, Snakeflies)	<input type="checkbox"/> Procellariiformes (Albatrosses, Petrels, Fulmars)
<input type="checkbox"/> PHORONIDEA (Lophophorates)	<input type="checkbox"/> Trichoptera (Caddisflies)	<input type="checkbox"/> Pelecaniformes (Pelicans, Gannets, Boobies, Tropicbirds)
<input type="checkbox"/> BRACHIOPODA (Lamp Shells)	<input type="checkbox"/> Lepidoptera (Moths, Butterflies)	<input type="checkbox"/> Ciconiiformes (Herons, Bitterns, Egrets, Storks, Ibis, Flamingo)
<input type="checkbox"/> MOLLUSCA	<input type="checkbox"/> Diptera (Flies, Mosquitoes)	<input type="checkbox"/> Anseriformes (Ducks, Geese, Scramblers)
<input type="checkbox"/> Monoplacophora	<input type="checkbox"/> Siphonaptera (Fleas)	<input type="checkbox"/> Falconiformes (Vultures, Hawks, Eagles, Condors, Kites, Falcons)
<input type="checkbox"/> Aplacophora (Solenogasters)	<input type="checkbox"/> Coleoptera (Beetles)	<input type="checkbox"/> Galliformes (Megapodes, Turkeys, Quail, Pheasants, Peafowl, etc.)
<input type="checkbox"/> Polyplacophora (Chitons)	<input type="checkbox"/> Hymenoptera (Ants, Bees, Wasps, Sawflies)	<input type="checkbox"/> Gruiformes (Cranes, Rails, Gallinules, Coots, Bustards, Crakes)
<input type="checkbox"/> Scaphopoda (Tooth Shells)	<input type="checkbox"/> Chilopoda (Centipedes)	<input type="checkbox"/> Charadriiformes (Terns, Gulls, Stilts, Avocets, Plovers, Puffins, etc.)
<input type="checkbox"/> Gastropoda (Snails, Slugs, Limpets)	<input type="checkbox"/> Diplopoda (Millipedes)	<input type="checkbox"/> Columbiformes (Pigeons, Doves)
<input type="checkbox"/> Pelecypoda (Bivalvia) (Clams, Mussels, Oysters, Scallops)	<input type="checkbox"/> Pauropoda	<input type="checkbox"/> Psittaciformes (Parrots, Lorries, Cockatoos, Kakapo, Conures, etc.)
<input type="checkbox"/> Cephalopoda (Squid, Octopus, Nautilus)	<input type="checkbox"/> Symphyta (Symphyla)	<input type="checkbox"/> Cuculiformes (Cuckoos, Turacos, Anis, Coucal, Roadrunner, etc.)
<input type="checkbox"/> ANNELIDA (Segmented Worms)	<input type="checkbox"/> PENTASTOMIDA (Linguatulida) (Tongue Worms)	<input type="checkbox"/> Strigiformes (Owls)
<input type="checkbox"/> Polychaeta (Parapodial Worms)	<input type="checkbox"/> TARDIGRADA (Tardigrades, Water Bears)	<input type="checkbox"/> Apodiformes (Hummingbirds, Swifts, Thornbills)
<input type="checkbox"/> Oligochaeta (Earthworms)	<input type="checkbox"/> ONYCHOPHORA (Peripatus)	<input type="checkbox"/> Coraciformes (Kingfishers, Todies, Bee-Eaters, Rollers, Hornbills, etc.)
<input type="checkbox"/> Hirudinida (Leeches)	<input type="checkbox"/> CHAETOGNATHA (Arrow Worms)	<input type="checkbox"/> Piciformes (Woodpeckers, Toucans, Jacamars, Barbets, Honeyguides)
<input type="checkbox"/> POGONOPHORA (Beard Worms)	<input type="checkbox"/> ECHINODERMATA	<input type="checkbox"/> Passeriformes (Passerines)
<input type="checkbox"/> SIPUNCULOIDEA (Peanut Worms)	<input type="checkbox"/> Crinoidea (Sea Lilies, Feather Stars)	<input type="checkbox"/> MAMMALIA
<input type="checkbox"/> ECHIUROIDEA (Spoon Worms)	<input type="checkbox"/> Asteroidea (Starfish, Sea Stars)	<input type="checkbox"/> Monotremata (Platypus, Echidna)
<input type="checkbox"/> ARTHROPODA	<input type="checkbox"/> Ophiuroidea (Brittle Stars, Serpent Stars)	<input type="checkbox"/> Marsupalia (Marsupials)
<input type="checkbox"/> Cheliceriformes	<input type="checkbox"/> Echinoidea (Sea Urchins, Sand Dollars)	<input type="checkbox"/> Eutheria (Placentals)
<input type="checkbox"/> Merostomata (Horseshoe Crabs)	<input type="checkbox"/> Holothuroidea (Sea Cucumbers)	<input type="checkbox"/> Insectivora (Hedgehogs, Moles, Shrews, Tenrec, etc.)
<input type="checkbox"/> Pycnogonida (Sea Spiders)	<input type="checkbox"/> HEMICHORDATA (Acorn Worms, Pterobranchs)	<input type="checkbox"/> Chiroptera (Bats)
<input type="checkbox"/> Scorpionida (Scorpions)	<input type="checkbox"/> UROCHORDATA (Tunicata) (Tunicates, Sea Squirts, Salps, Ascideans)	<input type="checkbox"/> Edentata (Anteaters, Sloths, Armadillos)
<input type="checkbox"/> Araneae (True Spiders)	<input type="checkbox"/> CEPHALOCHORDATA (Amphioxus/Lancelet)	<input type="checkbox"/> Primates
<input type="checkbox"/> Pseudoscorpionida (Pseudoscorpions)	<input type="checkbox"/> VERTEBRATES	<input type="checkbox"/> Monkeys
<input type="checkbox"/> Acarina (Free-living Mites)	<input type="checkbox"/> AGNATHA (Hagfish, Lamprey)	<input type="checkbox"/> Apes (Gibbons, Orang-utan, Gorilla, Chimpanzee)
<input type="checkbox"/> Parasitiformes (Parasitic Ticks & Mites)	<input type="checkbox"/> FISHES	<input type="checkbox"/> Humans
<input type="checkbox"/> Crustacea	<input type="checkbox"/> Chondrichthyes (Cartilaginous Fishes) (Sharks, Rays, Ratfish)	<input type="checkbox"/> Rodentia
<input type="checkbox"/> Branchiopoda (Fairy Shrimp, Water Flea)	<input type="checkbox"/> Osteichthyes (Bony Fishes)	<input type="checkbox"/> Laboratory Rodents (Rat, Mouse, Guinea Pig, Hamster)
<input type="checkbox"/> Ostracoda (Sea Lice)	<input type="checkbox"/> Sarcopterygia (Lobe-finned Fishes) (Coelacanth, Lungfish)	<input type="checkbox"/> Non-Laboratory Rodents
<input type="checkbox"/> Copepoda	<input type="checkbox"/> Actinopterygia (Ray-finned Fishes)	<input type="checkbox"/> Lagomorphs (Rabbits, Hares, Pikas)
<input type="checkbox"/> Cirripedia (Barnacles)	<input type="checkbox"/> AMPHIBIA	<input type="checkbox"/> Tubulidenata (Aardvarks)
<input type="checkbox"/> Amphipoda (Skeleton Shrimp, Whale Lice, Freshwater Shrimp)	<input type="checkbox"/> Anura (Frogs, Toads)	<input type="checkbox"/> Carnivora (Bears, Canids, Felids, Mustelids, Viverrids, Hyena, Procyonids)
<input type="checkbox"/> Isopoda (Wood Lice, Pillbugs)	<input type="checkbox"/> Urodela (Salamanders, Newts)	
<input type="checkbox"/> Decapoda (Lobster, Crayfish, Crabs, Shrimp)	<input type="checkbox"/> Gymnophiona (Apoda) (Caecilians)	
<input type="checkbox"/> Hexapoda (Insecta) (Insects)		
<input type="checkbox"/> Apterygota (Springtails, Silverfish, etc.)		
<input type="checkbox"/> Odonata (Dragonflies, Damselflies)		

<input type="checkbox"/> Ungulates <input type="checkbox"/> Perissodactyla (Odd-toed Ungulates) (Horses, Rhinos, Tapirs, etc.) <input type="checkbox"/> Artiodactyla (Even-toed Ungulates) (Cattle, Sheep, Deer, Pigs, etc.) <input type="checkbox"/> Sirenia (Manatees, Dugongs) <input type="checkbox"/> Proboscidea (Elephants) <input type="checkbox"/> Marine Mammals (Seals, Walrus, Whales, Otters, Dolphins, Porpoises) <input type="checkbox"/> TRANSGENIC ORGANISMS <input type="checkbox"/> FOSSIL OR EXTINCT ORGANISMS <input type="checkbox"/> NO ORGANISMS		
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CATEGORY IV: MODEL ORGANISM (Select One)

<input type="checkbox"/> NO MODEL ORGANISM	MODEL ORGANISM (Input up to 9 characters) <input type="text"/>	
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