

		Current Projects of Interest to the McGowan Institute for Regenerative Medicine											
Projects													
	Respiratory (inc: Artificial Lungs)	Liver	Heart, Blood and Vascular Tissue	Pancreas	Gastrointestinal & Genitourinary	Central & Peripheral Nervous System	Musculoskeletal (Hard & Soft Tissue)	Cancer	Wound Healing	Eye and Ear	Dental and Craniofacial	Allograft Technologies	Reproductive Tissue/Systems
Core Competencies													
Biomaterials	Cook, Kumta, Matyjaszewski, Wagner	Gerlach	Badylak, Bettinger, Chun, D'Amore, Feinberg, Gawalt, Gregory, Huleihai, Kameneva, Konig, Kumta, Phillippi, Pradhan-Sundd, Sant, Tobita, Turner, Vande Geest, Velenkar, Wagner, Waters, Weinbaum	Banerjee, Mota Alvidrez	Clermont, Hussey, Kulkarni, Whitcomb	Bettinger, B Brown, Chun, Cui, Hussey, Janjic, Kozai, Marra, Matyjaszewski, Modo, Tuan	Abbott, Badylak, B Brown, Campbell, Cancedda, Cheatham, Costello, Feinberg, Gilbert, Hussey, Huleihel, Kaufman, Konig, Kumta, Lin, Marra, Mooney, Nieponice, Sant, Sfeir, Sydlk, Tuan, Turner, Velenkar, Wagner, Washburn, Webster-Wood, Wells, Witte, Woo, Wu	Hussey, Janjic, Kumta, Little, Matyjaszewski, Sant, Wells, Whitehead	Badylak, Bettinger, B Brown, Edington, Gerlach, Hussey, Huleihel, Little, Manders, Marra, Matyjaszewski, Mooney, Nieponice, Ruder, Snyderman, Velankar, Wagner, Wells, Whitehead, Yates	Bettinger, Feinburg, Hussey, Little, Vande Geest, Wagner	Almarza, Beniash, B Brown, Chung, Costello, Sant, Wagner	Marra, Snyderman	Badylak, B Brown, Orwig
Targeted Drug Delivery		Janjic, Taylor, Whitehead	Mota Alvidrez		Whitehead	Janjic, Marra, Modo	Gottardi, Shoemaker	Edington, Janjic, Kameneva, Roy, Sant, Schatten, Whitehead	Edington, Gottardi, Janjic, Marra	Fedorchak, Little, Roy, Yates	Little	Little	
Bioengineering, Biotransport, Biomechanics	Badylak, Borovetz, Cook, Federspiel, Kameneva, Waters	Duncan, Ebrahimkhani, Gerlach, Kameneva, Monga, Patzer, Soto-Gutierrez	Balazs, Belle, Bermudez, Borovetz, Chun, D'Amore, Feinberg, Gao, Gerlach, Kaczorowski, Kameneva, K Kim, Konig, Kwiatkowski, LeDuc, Lohmann, Mota Alvidrez, Phillippi, Pinsky, Pradhan-Sundd, Robertson, Rojas, Sant, Saraf, Schaub, Severyn, Shroff, Teuteberg, Vande Geest, Vorp, Wagner, Waters, Weinbaum, Winowich	Banerjee, Freyberg, Gerlach, Parker	Vorp, Whitehead	Boninger, Chun, Clermont, Cui, Gerlach, Kelly, Kozai, Modo, Parker, Schwartz, Weber	Abbott, Ambrosio, Bean, Boninger, B Brown, Cain, Cancedda, Cheatham, Davidson, Debski, Feinberg, Gao, Gharaibeh, Gottardi, Hallilaj, Hogan, Kaufman, Kostek, Kumta, LeDuc, Moalli, Mooney, Sfeir, Sigal, Tuan, Turner, Vorp, Webster-Wood, Witte, Woo, Yates	Gerlach, Kameneva, Parker, Roy, Sant, Schatten, Whitehead, Zervantonakis	Badylak, Bettinger, Brienza, Gerlach, Kameneva, Little, Mooney, Ruder, Whitehead, Woo	Federspiel, Fedorchak, Feinburg, Kelly, Little, Loewen, Sigal, Vande Geest, Wagner	Almarza, Beniash, Chapman, Chung, Kumta, Little, Sant, Sfeir	Little, Schatten	Fedorchak
Cellular and Molecular Biology	Kagan, Oury, Stolz, Watkins	DeFrances, Duncan, Ebrahimkhani, Gerlach, Kiani, Lagasse, Mars, Michalopoulos, Monga, Mota Alvidrez, Pradhan-Sundd, Shin, Soto-Gutierrez, Stolz, Tamama, Taylor, Venkataramanan, Vodovotz, Watkins, Wells, Wu, Zamora, Zarnegar	Dahl, de Vallejo, Ho, K Kim, Kuhn, Jayaraman, Maiti, Mars, Phillippi, Pradhan-Sundd, Roy, Salama, Saraf, Shiva, Shroff, Stolz, Vallejo, Vande Geest, Watkins, Weinbaum, Wells	Banerjee, Finegold, Freyberg, Lagasse, Monga, Mota Alvidrez, Stolz, Watkins, Whitcomb	Kulkarni, Lagasse, Stolz, Watkins, Weisz, Whitcomb	Cui, Janjic, Kozai, Lagenaur, Marra, Modo, Pezzone, Pollock, Sakai, Stolz, J Wang, Watkins	Abbott, Ambrosio, Bean, Campbell, Chen, Cohen-Karni, deVallejo, Galson, Gharaibeh, Gilbert, Hallilaj, Larregina, Lin, Marra, Mooney, Napierala, Oesterreich, Phillippi, Rando, Stolz, Szabo-Rogers, Sydlk, Taboas, Tuan, Turner, Vo, B Wang, Watkins, Wells, Wu, Yates	Chen, V Donnerberg, Duncan, Galson, Ho, Hussey, Lagasse, Lotze, Mars, Michalopoulos, Monga, Oesterreich, Pitt, Roy, Salama, Schatten, Stolz, Taylor, Watkins, Wells, Yang, Zarnegar, Zervantonakis	Chen, deVallejo, Gerlach, Kellum, Mars, Mooney, Stolz, Tamama, Turner, Vodovotz, Watkins, Weinbaum, Wells, Yotov, Yates, Zamora	Byrne, Conner, Du, Gross, Loewen, Roy, Sahel, Swamynathan, Wells, Yam	Almarza, Beniash, J Gilbert, Intini, Napierala, Ouyong, Ray, Sfeir, Szabo-Rogers, Taboas	Schatten	Emory, Orwig
Developmental Biology		Duncan, Ebrahimkhani, Gerlach, Kiani, Lagasse, Monga, Oertel, Shin	A Donnerberg, Saraf, Tobita, Watkins, Wearden	Freyberg, Gittes, Lagasse	Lagasse, Larregina, Schatten		Napierala, Sakai, Szabo-Rogers, Tuan, YL Wang, Zhou	A Donnerberg, V Donnerberg, Gregory, Lagasse, Monga, Schatten	Dohar, Gerlach, Mooney	Gross, Swamynathan	Napierala, Szabo-Rogers	Lagasse, Schatten	Orwig
Micro Tissue Systems & Models		Gerlach, Taylor, Wells	D'Amore, Feinburg, Phillippi, Saraf, Vande Geest, Wagner, Weinbaum	Banerjee			Abbott, Feinberg, Galson, Gottardi, Tuan	Galson, Sant, Taylor, Wells, Yang, Zervantonakis	Gerlach, Weinbaum, Wells	Feinburg, Vande Geest	Gottardi		B Brown
Stem Cells & Cellular Therapies	Kagan	B Brown, Ebrahimkhani, Fox, Francipane, Gerlach, Humar, Kiani, Lagasse, Michalopoulos, Soto-Gutierrez, Stolz, Tamama, Taylor, Watkins, Zamora	Dahl, deVallejo, A Donnerberg, Feinberg, Kuhn, Marra, Phillippi, JP Rubin, Salama, Toma, Vorp, Yates	Banerjee, Freyberg, Lagasse, Whitcomb	Lagasse, Lotze, Vorp	Gharaibeh, Kokai, Marra, Modo, Sakai, Tuan, Yang	Ambrosio, Bean, S Brown, Cain, Campbell, Cancedda, Costello, de Vallejo, Feinberg, Gharaibeh, Gilbert, Gottardi, Kostek, Kumta, Lin, Marra, Rando, JP Rubin, Sfeir, Tuan, B Wang, J Wang, Wells, Woo, Yates	A Donnerberg, V Donnerberg, Kokai, Lagasse, Linkov, Michalopoulos, Oesterreich, JP Rubin	Cain, Dohar, A Donnerberg, V Donnerberg, Gerlach, Marra, Meng, Nieponice, Ruder, Tamama, J Wang, Wells, Woo, Yates	Du, Feinburg, Yam	Almarza, Chung, Costello, Intini, Kumta, Ray, Sfeir	A Donnerberg, Lagasse, Little	Orwig
Immunology	Stolz, Watkins	B Brown, Francipane, Lagasse, Mars, Mota Alvidrez, Oertel, Pradhan-Sundd, Stolz, Taylor, Vodovotz, Watkins	Badylak, Bettinger, B Brown, Clermont, deVallejo, Fan, Kormos, Mars, Mota Alvidrez, Parker, Pradhan-Sundd, Stolz, Vodovotz, Watkins, Wearden	Lagasse, Mota Alvidrez, Whitcomb	Kulkarni, Little, Lotze, Vodovotz, Whitcomb	B Brown, Janjic, Modo	Angus, Badylak, B Brown, Clermont, deVallejo, Wearden	deVallejo, Edington, Little, Lotze, Mars, Parker, Whitcomb	Angus, Badylak, B Brown, Chadham, Constantine, deVallejo, Edington, Ermentrout, Fan, Kellum, Little, Mars, Puyana, Swigon, Vodovotz, Wisniewski	Bettinger, Du, Little	Little	Lagasse	
Genomics & Gene Therapies	Shoemaker	Whitehead	Stephan, Toma	Gittes	Clermont, Gittes, Whitehead	Billiar, Tuan, Glorioso	Cancedda, Gharaibeh, Kostek, Kumta, Rando, Sfeir, Tuan, B Wang	Billiar, Glorioso, Little, Lotze, Whitehead, Zervantonakis	Little, Stephan, Whitehead, Yates		Almarza, Gilbert, Kumta, Sfeir		Orwig
Imaging	Stolz, Watkins	Mota Alvidrez, Pradhan-Sundd, Stolz, Taylor, Watkins	Feinberg, Ho, Kainerstorfer, Mota Alvidrez, Pacella, Phillippi, Pradhan-Sundd, Robertson, Salama, Shoemaker, Shroff, Stolz, Turner, Vande Geest, Villanueva, Vorp, Wagner, Watkins	Stolz, Watkins, Whitcomb	Lotze, Stolz, Watkins	Janjic, Kainerstorfer, Kozai, Modo, Stolz, Watkins	Abbott, Feinberg, Gharaibeh, Robertson, Stolz, Turner, Verdellis, Watkins	V Donnerberg, Edington, Ho, Kainerstorfer, Lotze, Mota Alvidrez, Parker, Salama, Stolz, Snyderman, Taylor, Watkins, Wells, Zervantonakis	Kainerstorfer, Stolz, Turner, Watkins	Du, Feinberg, Rossi, Sigal, Snyderman, Vande Geest	Verdelis	Stolz, Watkins	
Computational Modeling	Parker, J Rubin	Taylor, Vodovotz, Whitcomb, Zamora	D'Amore, Kocyildirim, Maiti, Pinsky, Robertson, Salama, Shroff, Vande Geest, Vorp	Parker, Whitcomb	J Rubin, Whitcomb	Parker, J Rubin	Hallilaj	Parker, Whitcomb, Zervantonakis	Vodovotz	Sigal, Vande Geest	Ray		
Clinical Translation	Sanchez, Wearden	Clermont, DeFrances, Demetris, Fontes, Fox, Gerlach, Hirschman, Humar, Lagasse, Mars, Mazariegos, Mota Alvidrez, Patzer, Taylor, Whitcomb	Bermudez, Bonatti, Callahan, Carpenter, Clermont, D'Amore, A Donnerberg, Hirschman, Kaczorowski, Kellum, Kainerstorfer, Kocyildirim, Konig, Kormos, Kreuzer, JS Lee, Lohmann, Luketich, Mars, McNamara, Mota Alvidrez, Sanchez, Pacella, Phillippi, Pinsky, Robertson, Salama, Saraf, Schaub, Sciotino, Shigamura, Shiva, Shroff, Sullivan, Teuteberg, Vorp, Waters, Wearden, Winowich, Yates	Clermont, Gittes, Hirschman, Mota Alvidrez, Whitcomb	Badylak, Clermont, Docimo, Gittes, Hirschman, Lotze, Konig, Schatten, Whitcomb	Boninger, Hirschman, Kainerstorfer, Marra, Okonkwo, JP Rubin, Tuan, VanSwearingen	Ambrosio, Badylak, Bean, Boninger, S Brown, Cain, Cancedda, Carpenter, Cheatham, Clermont, Constantine, Costello, Gharaibeh, Gottardi, Hirschman, Hogan, Kaufman, Konig, Kostek, Marra, McMahan, Moalli, Nieponice, Poropatich, JP Rubin, Taylor, Tuan, Vo, Woo, Zdanowicz	A Donnerberg, Edington, Glorioso, Konig, Lagasse, Linkov, Lotze, Luketich, Mars, Monga, Mota Alvidrez, Parker, Snyderman, Taylor, Whitcomb	Badylak, Cain, Dohar, Edington, Faló, Gerlach, Hirsch, Hirschman, Kellum, Manders, Marra, Mars, Nieponice, Poropatich, JP Rubin, Snyderman, J Wang, Yates, Ziembicki	Conner, Du, Fedorchak, Hirsch, Hirschman, Little, Loewen, Sahel, Snyderman, Yam, Yu	Chung, Costello, Gottardi, Hirschman, Little, Sfeir	Badylak, JP Rubin, Solari	Emery, Hirschman, Orwig
Clinical Outcomes (Rehabilitation)	Dew	Dew	Dew, Kaczorowski, Kocyildirim, Pinsky, Wearden	Whitcomb		Boninger, Nindl, Pollock, Okonkwo, VanSwearingen, Weber	Ambrosio, Bean, Boninger, Cooper, Delitto, Ding, Gottardi, Kostek, Nindl, JP Rubin, VanSwearingen, Weber, Zdanowicz, Zhou	Dew, V Donnerberg	Brienza	Loewen, Sahel	Cohn		

