

		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, Kulkarni, Tarin, Whitcomb	Bettinger, B Brown, Chun, Cui, Janjic, Kozai, Marra, Matyjaszewski, Modo, Tuan	Abbott, Badylak, B Brown, Campbell, Cancedda, Cheetham, Costello, Feinberg, Gilbert, Huleihel, Kaufman, Konig, Kumta, Lin, Marra, Mooney, Nieponice, Sant, Sfeir, Sydlik, Tarin, Tuan, Turner, Velenkar, Wagner, Washburn, Webster-Wood, Wells, Witte, Woo, Wu	Janjic, Kumta, Little, Matyjaszewski, Sant, Wells, Whitehead	Badylak, Bettinger, B Brown, Edington, Gerlach, Huleihel, Little, Manders, Marra, Matyjaszewski, Mooney, Nieponice, Ruder, Snyderman, Velankar, Wagner, Wells, Whitehead, Yates	Bettinger, Feinburg, 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, Salema, Sant, 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, Boninger, B Brown, Cancedda, Cheetham, Davidson, Debski, Feinberg, Gao, Gharaibeh, Gottardi, Halilaj, 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, Fedorchak, 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		
Cellular and Molecular Biology	Kagan, Oury, Stolz, Watkins	Bahary, 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, Kühn, Jayaraman, Maiti, Mars, Phillippi, Pradhan-Sundd, Roy, Salama, Saraf, Shiva, Shroff, Stolz, Vallejo, Vande Geest, Watkins, Weinbaum, Wells	Bahary, Banerjee, Finegold, Freyberg, Lagasse, Monga, Mota Alvidrez, Stolz, Watkins, Whitcomb	Bahary, Kulkarni, Lagasse, Stolz, Watkins, Weisz, Whitcomb	Cui, Janjic, Kozai, Lagenaur, Marra, Modo, Pezzone, Pollock, Sakai, Stolz, J Wang, Watkins	Abbott, Ambrosio, Campbell, Chen, Cohen-Karni, deVallejo, Galson, Gharaibeh, Gilbert, Halilaj, Larregina, Lin, Marra, Mooney, Napierala, Oesterreich, Phillippi, Rando, Stolz, Szabo-Rogers, Sydlik, Taboas, Tuan, Turner, Vo, B Wang, Watkins, Wells, Wu, Yates	Chen, V Donnerberg, Duncan, Galson, Ho, 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	Almarza, Beniash, J Gilbert, Intini, Napierala, Ouyong, Ray, Sfeir, Szabo-Rogers, Taboas	Schatten	Emory, Orwig	
Developmental Biology		Bahary, Duncan, Ebrahimkhani, Gerlach, Kiani, Lagasse, Monga, Oertel, Shin	Bahary, A Donnerberg, Saraf, Tobita, Watkins, Wearden	Bahary, Freyberg, Gittes, Lagasse	Bahary, 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, S Brown, 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	Dohar, A Donnerberg, V Donnerberg, Gerlach, Marra, Meng, Nieponice, Ruder, Tamama, J Wang, Wells, Woo, Yates	Du, Feinburg	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	Halilaj	Parker, Whitcomb, Zervantonakis	Vodovotz	Sigal, Vande Geest	Ray			
Clinical Translation	Wearden	Clermont, DeFrances, Demetris, Fontes, Fox, Gerlach, Hirschman, Humar, Lagasse, Mars, Mazariegos, Mota Alvidrez, Patzer, Taylor, Whitcomb	Bermudez, Callahan, Carpenter, Clermont, D'Amore, A Donnerberg, Hirschman, Kaczorowski, Kellum, Kainerstorfer, Kocyildirim, Konig, Kormos, Kreutzer, JS Lee, Lohmann, Luketich, Mars, McNamara, Mota Alvidrez, 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, Tarin, Whitcomb	Boninger, Hirschman, Kainerstorfer, Marra, Okonkwo, JP Rubin, Tuan, VanSwearingen	Ambrosio, Badylak, Boninger, S Brown, Cancedda, Carpenter, Cheetham, Clermont, Constantine, Costello, Fu, Gharaibeh, Gottardi, Hirschman, Hogan, Kaufman, Konig, Kostek, Marra, McMahon, Moalli, Nieponice, Poropatich, JP Rubin, Taylor, Tuan, Vo, Woo, Zdanowicz	A Donnerberg, Edington, Glorioso, Konig, Lagasse, Linkov, Lotze, Luketich, Mars, Manders, Marra, Mars, Nieponice, Poropatich, JP Rubin, Snyderman, J Wang, Yates, Ziembecki	Conner, Du, Fedorchak, Hirsch, Hirschman, Little, Loewen, Sahel, Snyderman, 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, Maltese, Nindi, Pollock, Okonkwo, VanSwearingen, Weber	Ambrosio, Boninger, Cooper, Delitto, Ding, Gottardi, Kostek, Maltese, Nindi, JP Rubin, VanSwearingen, Weber, Zdanowicz, Zhou	Dew, V Donnerberg	Brienza	Loewen, Sahel	Cohn			