

		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, Matyjaszewski, Wagner	Gerlach	Badylak, Bettinger, Chun, D'Amore, Feinberg, Gawalt, Gleason, Gregory, Huleihel, Kameneva, Kilic, Konig, Phillippi, Pradhan-Sundd, Sant, Sathanandam, Tillman, Tobita, Turner, Vande Geest, Velenkar, Wagner, Waters, Weinbaum	Banerjee	Clermont, Kulkarni, Tarin, Whitcomb	Abbott, Bettinger, B Brown, Chun, Cui, Janjic, Kozai, Marra, Matyjaszewski, Modo, Tuan, Tyler-Kabara	Badylak, B Brown, Campbell, Cancedda, Cheetham, Costello, Feinberg, Gilbert, Huleihel, Kathju, Kaufman, Konig, Kumta, Lin, Lozito, Marra, Meyer, Mooney, Nieponice, Sant, Sfeir, Sydlík, Tarin, Tuan, Turner, Velenkar, Wagner, Washburn, Webster-Wood, Wells, Witte, Woo, Wu	Janjic, Little, Matyjaszewski, Sant, Wells, Whitehead	Badylak, Bettinger, B Brown, Edington, Gerlach, Huleihel, Little, Manders, Marra, Matyjaszewski, Meyer, Mooney, Nieponice, Ruder, Velenkar, Wagner, Wells, Whitehead, Yates	Bettinger, Feinburg, Little, Steketee, Vande Geest, Wagner	Almarza, Beniash, B Brown, Chung, Costello, Meyer, Sant, Wagner	Kathju, Marra	Badylak, B Brown	
Targeted Drug Delivery		Janjic, Taylor, Whitehead			Whitehead	Janjic, Marra, Modo, Steketee	Gottardi, Shoemaker, Zervantonakis	Edington, Janjic, Kameneva, Salema, Sant, Whitehead, Zervantonakis	Edington, Gottardi, Janjic, Marra, Meyer	Fedorchak, Little, Yates	Little, Meyer	Little		
Bioengineering, Biotransport, Biomechanics	Borovetz, Cook, Federspiel, Kameneva, Waters	Duncan, Ebrahimkhani, Gerlach, Kameneva, Monga, Patzer, Soto-Gutierrez	Balazs, Belle, Bermudez, Borovetz, Chun, D'Amore, Feinberg, Gao, Gerlach, Gleason, Kameneva, Kilic, K Kim, Konig, LeDuc, Lohmann, Phillippi, Pinsky, Pradhan-Sundd, Robertson, Rojas, Sant, Schaub, Severyn, Shroff, Teuteberg, Tillman, Vande Geest, Vorp, Wagner, Waters, Weinbaum, Winowich	Banerjee, Freyberg, Gerlach, Parker	Vorp, Whitehead	Chun, Clermont, Cui, Gerlach, Kelly, Kozai, Modo, Parker, Schwartz, Tyler-Kabara, Weber	Ambrosio, Boninger, B Brown, Cancedda, Cheetham, Davidson, Debski, Feinberg, Gao, Gharaibeh, Gottardi, Hallaj, Hogan, Kaufman, Kostek, Kumta, LeDuc, Moalli, Mooney, Sfeir, Sigal, Tuan, Turner, Vorp, Webster-Wood, Witte, Woo, Yates	Gerlach, Kameneva, Parker, Roy, Sant, Whitehead	Badylak, Bettinger, Brienza, Gerlach, Kameneva, Little, Mooney, Ruder, Whitehead, Woo	Federspiel, Fedorchak, Feinburg, Kelly, Little, Loewen, Sigal, Steketee, Vande Geest, Wagner	Almarza, Beniash, Chapman, Chung, Kumta, Little, Sant, Sfeir	Little		
Cellular and Molecular Biology	Kagan, Oury, Stolz, Watkins	Bahary, Bell, DeFrances, Duncan, Ebrahimkhani, Gerlach, Lagasse, Mars, Michalopoulos, Monga, Soto-Gutierrez, Stolz, Tamama, Taylor, Venkataramanan, Vodovotz, Watkins, Wells, Wu, Zamora, Zarnegar	Billaud, Dahl, de Vallejo, Gleason, Ho, Kilic, K Kim, Kühn, Jayaraman, Mars, Phillippi, Pitt, Salama, Sathanandam, Shroff, Stolz, Vallejo, Vande Geest, Watkins, Weinbaum, Wells	Bahary, Banerjee, Finegold, Freyberg, Lagasse, Monga, Stolz, Watkins, Whitcomb	Bahary, Kulkarni, Lagasse, Stolz, Watkins, Weisz, Whitcomb	Abbott, Cui, Janjic, Kozai, Kwitkowski, Lagenaur, Marra, Modo, Pezzone, Pollock, Sakai, Steketee, Stolz, J Wang, Watkins	Ambrosio, Campbell, Chen, Cohen-Karni, deVallejo, Galson, Gharaibeh, Gilbert, Hallaj, Larregina, Lin, Lozito, Marra, Mooney, Napierala, Oesterreich, Phillippi, Rando, Stolz, Szabo-Rogers, Sydlík, Taboas, Tuan, Turner, Vo, B Wang, Watkins, Wells, Wu, Yates, Zervantonakis	Chen, V Donnerberg, Duncan, Galson, Ho, Lagasse, Lotze, Mars, Michalopoulos, Monga, Oesterreich, Pitt, Roy, Salama, Snyderman, Stolz, Taylor, Watkins, Wells, Yang, Zarnegar	Chen, deVallejo, Gerlach, Kathju, Kellum, Mars, Mooney, Stolz, Tamama, Turner, Vodovotz, Watkins, Weinbaum, Wells, Yotov, Yates, Zamora	Byrne, Conner, Du, Gross, Loewen, Sahel, Swamyathan, Wells	Almarza, Beniash, J Gilbert, Intini, Kathju, Napierala, Ouyong, Ray, Sfeir, Snyderman, Szabo-Rogers, Taboas	Emory		
Developmental Biology		Bahary, Duncan, Ebrahimkhani, Gerlach, Lagasse, Monga, Oertel, Shin	Bahary, A Donnerberg, Shin, Tobita, Watkins, Wearden	Bahary, Freyberg, Gittes, Lagasse, Shin	Bahary, Lagasse, Larregina, Schatten	Steketee	Lozito, Napierala, Sakai, Szabo-Rogers, Tuan, YL Wang, Zervantonakis, Zhou	A Donnerberg, V Donnerberg, Gregory, Lagasse, Monga	Dohar, Gerlach, Mooney	Gross, Swamyathan	Napierala, Szabo-Rogers	Lagasse		
Micro Tissue Systems & Models		Gerlach, Taylor, Wells	D'Amore, Feinburg, Gleason, Phillippi, Vande Geest, Wagner, Weinbaum	Banerjee			Feinberg, Gottardi, Tuan	Sant, Taylor, Wells, Yang	Gerlach, Weinbaum, Wells	Feinburg, Vande Geest	Gottardi		B Brown	
Stem Cells & Cellular Therapies	Kagan	B Brown, Ebrahimkhani, Fox, Francipane, Gerlach, Humar, Lagasse, Michalopoulos, Soto-Gutierrez, Stolz, Tamama, Taylor, Watkins, Zamora	Dahl, deVallejo, A Donnerberg, Feinberg, Gleason, Kuhn, Marra, Phillippi, JP Rubin, Salama, Tillman, Toma, Vorp, Yates	Banerjee, Freyberg, Lagasse, Whitcomb	Lagasse, Lotze, Vorp	Gharaibeh, Kokai, Marra, Modo, Sakai, Tuan, Tyler-Kabara, Yang	Ambrosio, S Brown, Campbell, Cancedda, Costello, de Vallejo, Feinberg, Gharaibeh, Gilbert, Gottardi, Kostek, Kumta, Lin, Marra, Rando, JP Rubin, Sfeir, Tuan, VanSwearingen, 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		
Immunology	Stolz, Watkins	Bell, B Brown, Francipane, Lagasse, Mars, Oertel, Stolz, Taylor, Vodovotz, Watkins	Badylak, Bettinger, B Brown, Clermont, deVallejo, Fan, Kormos, Mars, Parker, Stolz, Vodovotz, Watkins, Wearden	Lagasse, 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	Kathju, Little, Stephan, Whitehead, Yates		Almarza, Gilbert, Kumta, Sfeir			
Imaging	Stolz, Watkins	Stolz, Taylor, Watkins	Feinberg, Gleason, Ho, Pacella, Phillippi, Robertson, Salama, Shoemaker, Shroff, Stolz, Turner, Vande Geest, Villanueva, Vorp, Wagner, Watkins	Stolz, Watkins, Whitcomb	Lotze, Stolz, Watkins	Janjic, Kozai, Modo, Steketee, Stolz, Watkins	Feinberg, Gharaibeh, Robertson, Stolz, Turner, Verdels, Watkins	V Donnerberg, Edington, Ho, Lotze, Parker, Salama, Stolz, Taylor, Watkins, Wells	Stolz, Turner, Watkins	Du, Feinburg, Rossi, Sigal, Vande Geest	Verdelis	Stolz, Watkins		
Computational Modeling	Parker, J Rubin	Taylor, Vodovotz, Whitcomb, Zamora	D'Amore, Kocyildirim, Pinsky, Robertson, Salama, Shroff, Vande Geest, Vorp	Parker, Whitcomb	J Rubin, Whitcomb	Parker, J Rubin	Hallaj	Parker, Whitcomb	J Rubin, Vodovotz	Sigal, Vande Geest	Ray			
Clinical Translation	Wearden	Clermont, DeFrances, Demetris, Fontes, Fox, Gerlach, Hirschman, Humar, Lagasse, Mars, Mazariegos, Patzer, Taylor, Whitcomb	Bermudez, Callahan, Carpenter, Clermont, D'Amore, A Donnerberg, Gleason, Hirschman, Kellum, Kilic, Kocyildirim, Konig, Kormos, Kreuzer, JS Lee, Lohmann, Luketich, Mars, McNamara, Pacella, Phillippi, Pinsky, Robertson, Salama, Sathanandam, Schaub, Sciotino, Shigamura, Shroff, Simon, Sullivan, Teuteberg, Tillman, Vorp, Waters, Wearden, Winowich, Yates	Clermont, Gittes, Hirschman, Whitcomb	Clermont, Docimo, Gittes, Hirschman, Lotze, Konig, Schatten, Tarin, Whitcomb	Boninger, Hirschman, Marra, Okonkwo, JP Rubin, Tuan, Tyler-Kabara	Ambrosio, Badylak, S Brown, Cancedda, Carpenter, Cheetham, Clermont, Constantine, Costello, Fu, Gharaibeh, Gottardi, Hirschman, Hogan, Kathju, Kaufman, Konig, Kostek, Marra, McMahon, Moalli, Nieponice, Poropatich, JP Rubin, Sathanandam, Taylor, Tuan, Vo, Woo, Zdanowicz	A Donnerberg, Edington, Glorioso, Konig, Lagasse, Linkov, Lotze, Luketich, Mars, Monga, Parker, Snyderman, Taylor, Whitcomb	Badylak, Dohar, Edington, Faló, Gerlach, Hirsch, Hirschman, Kellum, Manders, Marra, Mars, Nieponice, Poropatich, JP Rubin, J Wang, Yates, Ziemicki	Conner, Du, Fedorchak, Hirsch, Hirschman, Little, Loewen, Sahel, Snyderman, Yu	Chung, Costello, Gottardi, Hirschman, Little, Sfeir	JP Rubin, Solari	Emery, Hirschman	
Clinical Outcomes (Rehabilitation)	Dew	Dew	Dew, Kocyildirim, Pinsky, Wearden	Whitcomb		Boninger, Maltese, Nindl, Pollock, Okonkwo, Weber	Ambrosio, Cooper, Delitto, Ding, Gottardi, Kostek, Maltese, Nindl, JP Rubin, VanSwearingen, Weber, Zdanowicz, Zhou	V Donnerberg	Brienza	Loewen, Sahel	Cohn			