

		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, Feinberg, Gawait, Kameneva, Phillippi, Sant, Tillman, Tobita, Turner, Wagner, Y Wang, Waters, Weinbaum	Banerjee, Beckman, Wagner	Clermont, Tarin, Whitcomb	Beckman, Bettinger, B Brown, Chun, Cui, Janjic, Kozai, Marra, Matyjaszewski, Modo, Tyler-Kabara, Y Wang	Badylak, Beckman, B Brown, Campbell, Cancedda, Cheetham, Costello, Feinberg, Gilbert, Kathju, Kumta, Marra, Meyer, Mooney, Nettleship, Nieponice, Sant, Sfeir, Tarin, Tuan, Turner, Wagner, Y Wang, Washburn, Wells, Witte, Woo, Wu	Janjic, Little, Kalinski, Matyjaszewski, Sant, Wells, Whitehead	Badylak, Beckman, Bettinger, B Brown, Gerlach, Little, Manders, Marra, Matyjaszewski, Meyer, Mooney, Nieponice, Satish, Wagner, Y Wang, Wells, Whitehead	Bettinger, Feinburg, Funderburgh, Little, Stekete, Wagner, Y Wang	B Brown, Chung, Costello, Meyer, Nettleship, Sant	Gorantla, Marra	Badylak, B Brown
Targeted Drug Delivery		Janjic, Taylor, Whitehead		Gorantla	Whitehead	Janjic, Marra, Modo, Stekete	Gorantla	Janjic, Kameneva, Salema, Sant, Whitehead	Marra, Meyer	Gorantla, Little	Little, Meyer	Gorantla, Little	
Bioengineering, Biotransport, Biomechanics	Borovetz, Cook, Federspiel, Kameneva, Waters	Duncan, Gerlach, Kameneva, Monga, Patzer, Soto-Gutierrez	Antaki, Balazs, Belle, Bermudez, Borovetz, Chun, Feinberg, Gerlach, Kameneva, K Kim, LeDuc, Lohmann, Phillippi, Pinsky, Robertson, Rojas, Sant, Schaub, Severyn, Shroff, Teuteberg, Tillman, Vorp, Wagner, Waters, Weinbaum, Winowich	Banerjee, Gerlach, Parker	Vorp, Whitehead	Chun, Clermont, Cui, Gerlach, Kelly, Kozai, Modo, Parker, Schwartz, Tyler-Kabara, Weber	Ambrosio, Beckman, Boninger, B Brown, Cancedda, Cheetham, Davidson, Debski, Feinberg, Gharaibeh, Gorantla, Hogan, Kostek, Kumta, LeDuc, Moalli, Mooney, Nettleship, Sfeir, Sigal, Turner, Vorp, Witte, Woo, Yates	Gerlach, Kameneva, Parker, Roy, Sant, Whitehead	Badylak, Bettinger, Brienza, Gerlach, Kameneva, Little, Mooney, Satish, Whitehead, Woo	Chan, Federspiel, Feinburg, Kelly, Little, Loewen, Sigal, Stekete, Wagner	Almarza, Beckman, Beniash, Chapman, Chung, Kumta, Little, Sant, Sfeir	Little, Gorantla	
Cellular and Molecular Biology	Kagan, Liu, Oury, Stolz, Watkins	Bahary, Bell, DeFrances, Duncan, Gerlach, Khan, Lagasse, Mars, Michalopoulos, Monga, Nagaya, Soto-Gutierrez, Stolz, Strom, Tamama, Taylor, Venkataramanan, Vodovotz, Watkins, Wells, Wu, Zamora, Zarnegar	Baty, D'Cunha, deVallejo, Gleason, Ho, Isenberg, K Kim, Kuhn, Jayaraman, Mars, Phillippi, Pitt, Salama, Shroff, Stolz, Vallejo, Watkins, Weinbaum, Wells	Bahary, Banerjee, Finegold, Lagasse, Monga, Stolz, Watkins, Whitcomb	Bahary, Husain, Lagasse, Stolz, Watkins, Weisz, Whitcomb, Wilson	Bowser, Chen, Cui, Janjic, Kozai, Kwitkowski, Lagenaur, Marra, Modo, Pezzone, Pollock, Sakai, Stekete, Stolz, J Wang, Watkins	Ambrosio, Antaki, Blair, Campbell, Cohen-Karni, deVallejo, Galson, Gharaibeh, Gilbert, Gorantla, Larregina, Marra, Mooney, Oesterreich, Phillippi, Rando, Stolz, Szabo-Rogers, Taboas, Tuan, Turner, Vo, B Wang, Watkins, Weiss, Wells, Wu, Yates	V Donnerberg, Duncan, Galson, Hendricks, Ho, Lagasse, Liu, Lotze, Mars, Michalopoulos, Monga, Oesterreich, Pitt, Roy, Salama, Stolz, Strom, Taylor, Watkins, Wells, Yang, Zarnegar	deVallejo, Gerlach, Hebda, Kathju, Kellum, Mars, Mooney, Rosen, Satish, Stolz, Tamama, Turner, Vodovotz, Watkins, Weinbaum, Wells, Yotov, Zamora	Chan, Conner, Du, Funderburgh, Gorantla, Gross, Hendricks, Loewen, Swamynathan, Wells	Almarza, Beniash, Ouyong, Ray, Sfeir, Szabo-Rogers, Taboas	Gorantla	
Developmental Biology		Bahary, Duncan, Gerlach, Lagasse, Monga, Oertel, Shin	Bahary, A Donnerberg, Shin, Tobita, Watkins, Wearden	Bahary, Gittes, Lagasse, Shin	Bahary, Lagasse, Larregina, Schatten	Stekete	Sakai, Tuan, YL Wang, Zhou	A Donnerberg, V Donnerberg, Lagasse, Monga	Dohar, Gerlach, Hebda, Mooney	Gross, Swamynathan		Lagasse	
Micro Tissue Systems & Models		Gerlach, Taylor, Wells	Feinburg, Phillippi, Weinbaum	Banerjee			Feinberg	Sant, Taylor, Wells, Yang	Gerlach, Hebda, Weinbaum, Wells	Feinburg			B Brown
Stem Cells & Cellular Therapies	Kagan	B Brown, Fox, Gerlach, Humar, Khan, Lagasse, Michalopoulos, Nagaya, Soto-Gutierrez, Stolz, Tamama, Taylor, Watkins, Zamora	deVallejo, Feinberg, Gleason, Kuhn, Marra, Phillippi, JP Rubin, Salama, Tillman, Toma, Vorp	Banerjee, 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, Gorantla, Kostek, Kumta, Marra, Rando, JP Rubin, Sfeir, Tuan, VanSwearingen, J Wang, Weiss, Wells, Woo, Yates	V Donnerberg, Kalinski, Kokai, Lagasse, Linkov, Michalopoulos, Oesterreich, JP Rubin	Dohar, V Donnerberg, Gerlach, Hebda, Marra, Nieponice, Tamama, J Wang, Wells, Woo	Du, Feinburg, Funderburgh, Gorantla	Almarza, Chung, Costello, Kumta, Ray, Sfeir	Gorantla, Lagasse, Little	
Immunology	Stolz, Watkins	Bell, Lagasse, Mars, Oertel, Stolz, Taylor, Vodovotz, Watkins	Badylak, Bettinger, B Brown, Clermont, deVallejo, Fan, Kormos, Mars, Parker, Stolz, Vodovotz, Watkins, Wearden	Gorantla, Lagasse, Whitcomb	Kalinski, Little, Lotze, J Rubin, Vodovotz, Whitcomb	B Brown, Janjic, Modo	Angus, Badylak, B Brown, Clermont, deVallejo, Gorantla, Wearden	deVallejo, Kalinski, Little, Mars, Lotze, Parker, Whitcomb	Angus, Badylak, B Brown, Chadham, Constantine, deVallejo, Ermentrout, Fan, Gorantla, Kellum, Little, Mars, Puyana, Swigon, Vodovotz, Wisniewski	Bettinger, Du, Gorantla, Little	Little	Gorantla, Lagasse	
Genomics & Gene Therapies		Whitehead	Toma	Gittes	Clermont, Gittes, Whitehead	Bowser, Glorioso	Cancedda, Gharaibeh, Kostek, Kumta, Rando, Sfeir, Tuan, B Wang	Billiar, Glorioso, Little, Lotze, Strom, Whitehead	Hebda, Kathju, Little, Satish, Whitehead		Almarza, Kumta, Sfeir	Gorantla	
Imaging	Stolz, Watkins	Stolz, Taylor, Watkins	Feinberg, Ho, Pacella, Phillippi, Robertson, Hirschman, Isenberg, Kellum, Kocylidirim, Vorp, Wagner, Watkins	Stolz, Watkins, Whitcomb	Lotze, Stolz, Watkins	Janjic, Kozai, Modo, Stekete, Stolz, Watkins	Feinberg, Gharaibeh, Gorantla, Robertson, Stolz, Turner, Verdellis, Watkins	V Donnerberg, Ho, Kalinski, Lotze, Parker, Salama, Stolz, Taylor, Watkins, Wells	Hebda, Stolz, Turner, Watkins	Du, Feinberg, Gorantla, Sigal	Verdelis	Gorantla, Stolz, Watkins	
Computational Modeling	Parker, J Rubin	Taylor, Vodovotz, Whitcomb, Zamora	Kocylidirim, Pinsky, Robertson, Salama, Shroff, Vorp	Parker, Whitcomb	J Rubin, Whitcomb	Parker, J Rubin		Parker, Whitcomb	Hebda, J Rubin, Vodovotz	Sigal	Ray		
Clinical Translation	Wearden	Clermont, DeFrances, Demetris, Fontes, Fox, Gerlach, Humar, Lagasse, Lopez, Mars, Mazariegos, Patzer, Taylor, Whitcomb	Baty, Bermudez, Carpenter, Clermont, Corcos, D'Cunha, A Donnerberg, Gleason, Hirschman, Isenberg, Kellum, Kocylidirim, Kormos, Kreutzer, JS Lee, Lohmann, Luketich, Mars, McNamara, Pacella, Phillippi, Pinsky, Robertson, Salama, Schaub, Schwartzman, Shigamura, Shroff, Sharma, Simon, Sullivan, Teuteberg, Tillman, Vorp, Wearden, Winowich	Clermont, Gittes, Whitcomb	Clermont, Docimo, Gittes, Husain, Lotze, Schatten, Tarin, Whitcomb, Wilson	Boninger, Bowser, Hirschman, Marra, Okonkwo, Richardson, JP Rubin, Tyler-Kabara	Ambrosio, Badylak, Baer, S Brown, Cancedda, Carpenter, Cheetham, Clermont, Constantine, Costello, Davis, Fu, Gharaibeh, Gorantla, Hirschman, Hogan, Kathju, Kostek, Marra, McMahon, Moalli, Nieponice, Poropatich, JP Rubin, Shestak, Taylor, Vo, Woo, Zdanowicz	A Donnerberg, Glorioso, Kalinski, Lagasse, Linkov, Lotze, Luketich, Mars, Monga, Parker, Strom, Taylor, Whitcomb	Badylak, Corcos, Dohar, Falo, Gerlach, Gorantla, Hebda, Hirsch, Hirschman, Kellum, Manders, Marra, Mars, Nieponice, Poropatich, Rosen, JP Rubin, Shestak, J Wang, Ziembicki	Conner, Du, Funderburgh, Gorantla, Hirsch, Hirschman, Little, Loewen, Yu	Chung, Costello, Hirschman, Little, Sfeir	Gorantla, JP Rubin	
Clinical Outcomes (Rehabilitation)	Dew	Dew	Dew, Kocylidirim, Pinsky, Wearden	Whitcomb		Boninger, Bowser, Nindl, Pollock, Okonkwo, Weber	Ambrosio, Brubaker, Cooper, Delitto, Ding, Kostek, Nindl, JP Rubin, VanSwearingen, Weber, Zdanowicz, Zhou	V Donnerberg, Gorantla	Brienza, Brubaker	Loewen	Cohn	Gorantla	