

		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														
<b>Biomaterials</b>	Cook, Matyjaszewski, Wagner	Gerlach	Badylak, Bettinger, Chun, D'Amore, Feinberg, Gawalt, Gleason, Huleihel, Kameneva, Konig, Phillippi, Sant, Tillman, Tobita, Turner, Wagner, Waters, Weinbaum	Banerjee, Beckman	Clermont, Tarin, Whitcomb	Beckman, Bettinger, B Brown, Chun, Cui, Janjic, Kozai, Marra, Matyjaszewski, Modo, Tuan, Tyler-Kabara	Badylak, Beckman, B Brown, Campbell, Cancedda, Cheatham, Costello, Feinberg, Gilbert, Huleihel, Kathju, Kumta, Lin, Marra, Meyer, Mooney, Nettlehip, Nieponice, Sant, Sfeir, Tarin, Tuan, Turner, Wagner, Washburn, Wells, Witte, Woo, Wu	Janjic, Little, Matyjaszewski, Sant, Wells, Whitehead	Badylak, Beckman, Bettinger, B Brown, Edington, Gerlach, Huleihel, Little, Manders, Marra, Matyjaszewski, Meyer, Mooney, Nieponice, Ruder, Wagner, Wells, Whitehead, Yates	Bettinger, Feinburg, Funderburgh, Little, Stekete, Wagner	Almarza, Beniash, B Brown, Chung, Costello, Meyer, Nettlehip, Sant, Wagner	Kathju, Marra	Badylak, B Brown	
<b>Targeted Drug Delivery</b>		Janjic, Taylor, Whitehead			Whitehead	Janjic, Marra, Modo, Stekete	Gottardi, Shoemaker	Edington, Janjic, Kameneva, Salema, Sant, Whitehead	Edington, Gottardi, Janjic, Marra, Meyer	Fedorchak, Little, Yates	Little, Meyer	Little		
<b>Bioengineering, Biotransport, Biomechanics</b>	Borovetz, Cook, Federspiel, Kameneva, Waters	Duncan, Gerlach, Kameneva, Monga, Patzer, Soto-Gutierrez	Balazs, Belle, Bermudez, Borovetz, Chun, D'Amore, Feinberg, Gerlach, Gleason, Kameneva, K Kim, Konig, 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, Cheatham, Davidson, Debski, Feinberg, Gharaibeh, Gottardi, Hogan, Kostek, Kumta, LeDuc, Moalli, Mooney, Nettlehip, Sfeir, Sigal, Turner, Vorp, 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, Stekete, Wagner	Almarza, Beckman, Beniash, Chapman, Chung, Kumta, Little, Sant, Sfeir	Little,		
<b>Cellular and Molecular Biology</b>	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, Billaud, D'Cunha, deVallejo, Gleason, Ho, Isenberg, K Kim, Kuhn, Jayaraman, Mars, Phillippi, Pitt, Salama, Shroff, Stolz, Vallejo, Vande Geest, Watkins, Weinbaum, Wells	Bahary, Banerjee, Fingold, Lagasse, Monga, Stolz, Watkins, Whitcomb	Bahary, Husain, Lagasse, Stolz, Watkins, Weisz, Whitcomb	Bowser, Cui, Janjic, Kozai, Kwitkowski, Lagenaur, Marra, Modo, Pezzone, Pollock, Sakai, Stekete, Stolz, J Wang, Watkins	Ambrosio, Blair, Campbell, Chen, Cohen-Karni, deVallejo, Galson, Gharaibeh, Gilbert, Larregina, Marra, Mooney, Napierala, Oesterreich, Phillippi, Rando, Stolz, Szabo-Rogers, Taboas, Tuan, Turner, Vo, B Wang, Watkins, Weiss, Wells, Wu, Yates	Chen, V Donnenberg, Duncan, Galson, Hendricks, Ho, Lagasse, Liu, Mars, Michalopoulos, Monga, Oesterreich, Pitt, Roy, Salama, Snyderman, Stolz, Strom, 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, Funderburgh, Gross, Hendricks, Loewen, Sahel, Swamynathan, Wells	Almarza, Beniash, J Gilbert, Kathju, Napierala, Ouyong, Ray, Sfeir, Snyderman, Szabo-Rogers, Taboas			
<b>Developmental Biology</b>		Bahary, Duncan, Gerlach, Lagasse, Monga, Oertel, Shin	Bahary, A Donnenberg, Shin, Tobita, Watkins, Wearden	Bahary, Gittes, Lagasse, Shin	Bahary, Lagasse, Larregina, Schatten	Stekete	Napierala, Sakai, Szabo-Rogers, Tuan, YL Wang, Zhou	A Donnenberg, V Donnenberg, Lagasse, Monga	Dohar, Gerlach, Mooney	Gross, Swamynathan	Napierala, Szabo-Rogers	Lagasse		
<b>Micro Tissue Systems &amp; Models</b>		Gerlach, Taylor, Wells	D'Amore, Feinburg, Gleason, Phillippi, Wagner, Weinbaum	Banerjee			Feinberg, Gottardi, Tuan	Sant, Taylor, Wells, Yang	Gerlach, Weinbaum, Wells	Feinburg	Gottardi		B Brown	
<b>Stem Cells &amp; Cellular Therapies</b>	Kagan	B Brown, Fox, Francipane, Gerlach, Humar, Khan, Lagasse, Michalopoulos, Nagaya, Soto-Gutierrez, Stolz, Tamama, Taylor, Watkins, Zamora	deVallejo, A Donnenberg, Feinberg, Gleason, Kuhn, Marra, Phillippi, JP Rubin, Salama, Tillman, Toma, Vorp, Yates	Banerjee, Lagasse, Whitcomb	Lagasse, 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, Weiss, Wells, Woo, Yates	A Donnenberg, V Donnenberg, Kokai, Lagasse, Linkov, Michalopoulos, Oesterreich, JP Rubin	Dohar, A Donnenberg, V Donnenberg, Gerlach, Marra, Meng, Nieponice, Ruder, Tamama, J Wang, Wells, Woo, Yates	Du, Feinburg, Funderburgh	Almarza, Chung, Costello, Kumta, Ray, Sfeir	A Donnenberg, Lagasse, Little		
<b>Immunology</b>	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	Little, Vodovotz, Whitcomb	B Brown, Janjic, Modo	Angus, Badylak, B Brown, Clermont, deVallejo, Wearden	deVallejo, Edington, Little, Mars, Parker, Whitcomb	Angus, Badylak, B Brown, Chadham, Constantine, deVallejo, Edington, Ermentrout, Fan, Kellum, Little, Mars, Puyana, Swigon, Vodovotz, Wisniewski	Bettinger, Du, Little, Washington	Little	Lagasse		
<b>Genomics &amp; Gene Therapies</b>	Shoemaker	Whitehead	Stephan, Toma	Gittes	Clermont, Gittes, Whitehead	Bowser, Glorioso	Cancedda, Gharaibeh, Kostek, Kumta, Rando, Sfeir, Tuan, B Wang	Billiar, Glorioso, Little, Strom, Whitehead	Kathju, Little, Stephan, Whitehead, Yates		Almarza, Gilbert, Kumta, Sfeir			
<b>Imaging</b>	Stolz, Watkins	Stolz, Taylor, Watkins	Feinberg, Gleason, Ho, Pacella, Phillippi, Robertson, Salama, Shoemaker, Shroff, Stolz, Turner, Villanueva, Vorp, Wagner, Watkins	Stolz, Watkins, Whitcomb	Stolz, Watkins	Janjic, Kozai, Modo, Stekete, Stolz, Watkins	Feinberg, Gharaibeh, Robertson, Stolz, Turner, Verdellis, Watkins	V Donnenberg, Edington, Ho, Parker, Salama, Stolz, Taylor, Watkins, Wells	Stolz, Turner, Watkins	Du, Feinberg, Rossi, Sigal	Verdelis	Stolz, Watkins		
<b>Computational Modeling</b>	Parker, J Rubin	Taylor, Vodovotz, Whitcomb, Zamora	D'Amore, Kocylidirim, Pinsky, Robertson, Salama, Shroff, Vorp	Parker, Whitcomb	J Rubin, Whitcomb	Parker, J Rubin		Parker, Whitcomb	J Rubin, Vodovotz	Sigal	Ray			
<b>Clinical Translation</b>	Wearden	Clermont, DeFrances, Demetris, Fontes, Fox, Gerlach, Humar, Lagasse, Lopez, Mars, Mazariegos, Patzer, Taylor, Whitcomb	Baty, Bermudez, Callahan, Carpenter, Clermont, Corcos, D'Cunha, A Donnenberg, Gleason, Hirschman, Isenberg, Kellum, Kocylidirim, Konig, Kormos, Kreutzer, JS Lee, Lohmann, Luketich, Mars, McNamara, Pacella, Phillippi, Pinsky, Robertson, Salama, Schaub, Sciotino, Shigamura, Shroff, Sharma, Simon, Sullivan, Teuteberg, Tillman, Vorp, Waters, Wearden, Winowich, Yates	Clermont, Gittes, Hirschman, Whitcomb	Clermont, Docimo, Gittes, Hirschman, Husain, Konig, Schatten, Tarin, Whitcomb	Boninger, Bowser, Hirschman, Marra, Okonkwo, Richardson, JP Rubin, Tuan, Tyler-Kabara	Ambrosio, Badylak, S Brown, Cancedda, Carpenter, Cheatham, Clermont, Constantine, Costello, Fu, Gharaibeh, Gottardi, Hirschman, Hogan, Kathju, Konig, Kostek, Marra, McMahon, Moalli, Nieponice, Poropatich, JP Rubin, Shestak, Taylor, Tuan, Vo, Woo, Zdanowicz	A Donnenberg, Edington, Glorioso, Konig, Lagasse, Linkov, Luketich, Mars, Monga, Parker, Snyderman, Strom, Taylor, Whitcomb	Badylak, Corcos, Dohar, Edington, Faló, Gerlach, Hirsch, Hirschman, Kellum, Manders, Marra, Mars, Nieponice, Poropatich, JP Rubin, Shestak, J Wang, Yates, Ziembecki	Conner, Du, Fedorchak, Funderburgh, Hirsch, Hirschman, Little, Loewen, Sahel, Snyderman, Washington, Yu	Chung, Costello, Gottardi, Hirschman, Little, Sfeir	JP Rubin, Solari		
<b>Clinical Outcomes (Rehabilitation)</b>	Dew	Dew	Dew, Kocylidirim, Pinsky, Wearden	Whitcomb		Boninger, Bowser, Nindl, Pollock, Okonkwo, Weber	Ambrosio, Brubaker, Cooper, Delitto, Ding, Gottardi, Kostek, Nindl, JP Rubin, VanSwearingen, Weber, Zdanowicz, Zhou	V Donnenberg	Brienza, Brubaker	Loewen, Sahel	Cohn			