

Center for Human Performance Measurement (CHPM)

RS Research Strategic Plan

2016-2021

<u>Tenets/Goals</u>	<u>Objectives</u>	<u>Strategies</u>	<u>Activities</u>	<u>Who/Resources</u>
TBD- by RS Strategic Planning Committee	1)By the summer of 2016 Initial training by Qualysis	<ul style="list-style-type: none"> Formally trained by Qualysis 	Training sessions held in CHPM User's Manual is being completed Establishing reference model currently for gait; slated for foot model and head/neck/trunk model Spring 2017	Qualysis: Dan India Faculty/Faculty Advisors: Dionne, Hile, Ciro, Kolobe, Mdzinarishvili, Jeffries, Jones Staff: TBA GRAs: Veirs, TBA AHS 6990 Research Practicum, 5153 Biomechanics
	2)By the end of FY 2017 Submit grants for preliminary study	<ul style="list-style-type: none"> submit grants for pilot study designated faculty, CHPM director serve as consultants, co-Is, PIs 	All PIs and through VPR, PHF, CAH, Stephenson, OCAST NIH granting mechanisms	Investigators: Dionne, Hile, Ciro, Kolobe, Mdzinarishvili, Jeffries, Jones Staff: TBA GRAs: Veirs Dionne CAH Seed grant awarded
	3) By the end of FY 2017 obtain a)treadmill b) additional force plates, EMG	<ul style="list-style-type: none"> a)Treadmill that is compatible with motion analysis equipment b) eq system compatible 	<ul style="list-style-type: none"> submit equipment grant PHF Equipment grant, VPR, CAH HHDC Equipment grant Force plates, EMG-to be submitted Oct 31 	Investigators: Dionne, Hile, Ciro, Kolobe, Mdzinarishvili, Jeffries, Jones Staff: TBA GRAs: Veirs HHDC
	4) By the end of FY 2018 evidence of peer-reviewed scholarly activity	<ul style="list-style-type: none"> Investigators will submit for publication, presentation on awarded projects related to CHPM 	<ul style="list-style-type: none"> Produce peer-reviewed: 2 publications, 2 presentations per project Produce PhD dissertation 	Investigators: Dionne, Hile, Ciro, Kolobe, Mdzinarishvili, Jeffries, Jones ; other credentialed investigators Staff: TBA GRAs: Veirs
	5) By the end of FY 2018	<ul style="list-style-type: none"> Submit grant to ADA, NIH, ACA, etc direct and 		PI: TBA Co-I or consultant: Dionne

	submit grants of national scale	indirect sources of funding		Designated faculty
	6) By the end of FY 2019 increase physical scope of performance research	<ul style="list-style-type: none"> raise ceiling to roof 	Grant submission	col or PI: Dionne Col or PI: Designated faculty Staff: TBA for statistical, lab, grant processing support
	7) By the end of FY 2019 Funded research at national level	<ul style="list-style-type: none"> submit multisite grant at federal level 	<ul style="list-style-type: none"> supporting faculty, staff and GRAs as consultant with subcontracts/MOAs as PIs/co-Is with FTE salaries budgeted 	col or PI: Dionne Col or PI: Designated faculty Staff: TBA for statistical, lab, grant processing support
	8) By the end of FY 2019 submit grant to support equipment acquisition	<ul style="list-style-type: none"> target-body composition equipment equipment grant (CAH, VPR, PHF) invite MIRS faculty as licensed clinicians 	<ul style="list-style-type: none"> equipment grant (CAH, VPR, PHF) 	col or PI: Dionne Col or PI: Designated faculty
	9) By the end of FY 2020 demonstrate history of interdisciplinary collaboration	<ul style="list-style-type: none"> require all collaborations to disseminate at national level 	produce 2 peer-reviewed publications, 2 presentations per collaboration	col or PI: Dionne Col or PI: Designated faculty
	10) By the end of 2020 increase HPM equipment inventory	<ul style="list-style-type: none"> apply for equipment/officiation grant for upgrade motion analysis system 	Add force plates, number of cameras	col or PI: Dionne Col or PI: Designated faculty
	11) By the end of FY 2021 Host a human performance measure research summit	<ul style="list-style-type: none"> apply for symposium grant with budget faculty/staff/student support 	Hold research symposium	PD: Dionne Co-Ds Designated faculty Staff: TBA Students: GRAs

		<ul style="list-style-type: none"> • All interested faculty-contributors to symposium • Target-national/international audience • Generate publications from proceedings 		
	12) Conduct facility-wide evaluation	<ul style="list-style-type: none"> • Program evaluation by peers from within and outside designated facility • Review and update strategic plan 	Appoint facilitator specialist in program evaluation	PD: Dionne