



Government of West Bengal  
**Institute of Postgraduate Medical Education & Research**  
**Centre of Excellence in Medical Education & Research**

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## Rheumatology

### FACULTY

Professor & Head	Dr. Parasar Ghosh, MD (Medicine), DM (Clinical Immunology)
Associate Professor	Dr. Pradyot Sinhamahapatra, M.D.(Medicine), DNB (Medicine) Dr. Biswadip Ghosh, M.D.(Medicine) Dr. Geetabali Sircar, M.D.(Medicine), DM (Rheumatology)
Assistant Professors	Dr. Subhankar Haldar, M.D.(Medicine) Dr. Hira Manik Sit, M.D.(Medicine) Dr. Partha Ghorai, M.D.(Medicine), DM (Neurology) Dr. Sumantro Mondal, M.D. (Medicine), DM (Rheumatology)
RMO	Dr. Dipendra Nath Ghosh, M.D. (Medicine), DM (Rheumatology) Dr. Sudipta Gorai, M.D. (Pediatric Medicine)
Senior Resident	Dr. Soumya Dey, M.D. (Pediatric Medicine), DM (Rheumatology) Dr. Rashmi Rungta, M.D.(Medicine)

### Postdoctoral trainees

DM Student 3rd Year (Session 2019-22)	Dr. Kaustav Bhowmick
	Dr. Angan Karmakar
	Dr. Sonali Dey
	Dr. Goutam Raj Panjabi
	Dr. Mavidi Sunil Kumar
DM Student 2nd Year (Session 2020-23)	Dr. Debaditya Roy
	Dr. Selim Mondal
	Dr. Koushik Mukherjee
	Dr. Kaustav Mitra
DM Student 1st Year	Dr. Harsh Lalit Jain
	Yet to join

### PhD Scholars

PhD Scholars, JRF, SRF, RA ,	Ayindrila Saha Basak, MSc. (SRF) Sudipta Chatterjee, MSc. (UGC SRF) Sanchaita Misra, MSc., (ICMR SRF) Dipanjan Bhattacharjee, MSc. (ICMR SRF) Sulagna Chatterjee, MSc. (ICMR SRF)
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	Dr. Avik Sarkar, MSc., PhD (ICMR RAI) Arijit Sarkar (WBDST JRF)
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### Sisters

Indoor/Outdoor/Day care	Srabana Roy – Sister in charge Rheumatology Department Rita Ghosh Sriparna Chatterjee Keka Panchadhyai Bindu M Varrier Saheli Ganguly Arjita Roy Dey Suchandra Sarkar Alpana Maity Sudipta Das Sudeshna Jana Phiroja Khatun Antara Ganguli
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### Non-teaching staff

Laboratory Technician	Halim Molla Bikash Chandra Purkait Tamali Mondal Reshmi Pal Rubi Manna Susanta Bhattacharjee Probir Mondal Mita Karu
Clerical Staff (Non-Govt., from Project)	Gita Rani Ghosh Roy Sudip Das
DXA Technician (Non-Govt., from Project)	Sandip Das
Group-D Staffs (From Sainik Board)	Joydeb Dhar Monishankar Halder Gita Biswas Barun Das Bikash Shaw
Group-D Staffs (Non-Govt., from Project)	Vinod Mallick

### TRANSFERS, POSTINGS AND SUPERANNUATIONS

1. Prof. Alakendu Ghosh has superannuated on 31st August, 2022
2. Dr. Geetabali Sircar has been promoted as Professor from Associate Professor.

### RESEARCH PROJECTS AND ACTIVITY

<p style="text-align: center;"><b>RESEARCH GRANTS</b></p>	<ol style="list-style-type: none"> <li>1. "Functional roles of some regulatory molecules (XIST, TSIX and NEAT1, Netrin1) in the pathophysiology of Systemic Sclerosis and their responses with conventional immunosuppressive therapy - sponsored by ICMR</li> <li>2. Ultrasound assessment of subclinical synovitis among RA patients in clinical remission with reference to the expression of pro and anti inflammatory cytokines - sponsored by ICMR</li> <li>3. Study of metabolic bioenergetics of CD4+ T cells in patients with Systemic lupus erythematosus - Sanction by IRA (2021)</li> <li>4. Detection and characterization of cell free DNA in plasma from patients with systemic lupus erythematosus (SLE) - Sanction by IRA (2021)</li> <li>5. Metabolic bioenergetics of CD4+ T cells in patients with Systemic lupus erythematosus : effect of metformin – Sanction by WBDSTBT (2022)</li> <li>6. Cellular bioenergetics of CD4+ T cells in Systemic lupus erythematosus and its role in oxidative damage induced DNA extrusion - Sponsored by ICMR (Individual SRF programme</li> </ol>
<p style="text-align: center;"><b>DST-FIST SUPPORT</b></p>	<p>DST FIST SPONSOR : DST – FIST infrastructural support for expanding its academic and research purpose and the same was sanctioned for the second time by DST.</p>

## ACADEMIC ACTIVITIES

Morning session	<ol style="list-style-type: none"> <li>1) Seminars on every Monday</li> <li>2) Journal club and journal scan on every Tuesday</li> <li>3) Seminars on basic research in Immunology on every Wednesday</li> <li>4) Interactive case presentation by PDTs on every Thursday</li> <li>5) Mortality meet in ward review and case-based discussion on 2<sup>nd</sup> and 4<sup>th</sup> Friday</li> <li>6) Every third Monday faculty presentation</li> <li>7) Seminars on recent advances on every Friday by PDTs and Faculties</li> <li>8) Grand clinical rounds on every Saturday</li> </ol>
	DM passed this year: Dr. Rashmi Rungta & Dr. Sameer Joshi (Session 2019-22)

## PUBLICATION BY FACULTY, STUDENTS AND RESEARCH SCHOLARS

- Validation of antioxidant, antiproliferative, and in vitro anti-rheumatoid arthritis activities of epigallo-catechin-rich bioactive fraction from *Camellia sinensis* var. *assamica*, Assam variety white tea, and its comparative evaluation with green tea fraction [published online ahead of print, 2022 Oct 30]. Misra S, Ikbal AMA, Bhattacharjee D, et al. *J Food Biochem*. 2022;e14487. doi:10.1111/jfbc.14487
- Effect of vasodilator and immunosuppressive therapy on the endothelial dysfunction in patients with systemic sclerosis. *Clinical and Experimental Medicine*. DOI:10.1007/s10238-022-00845-w. Dipanjan Bhattacharjee & Sumantra Mondal etc.
- Recurrent macrophage activation syndrome as the initial manifestation of paediatric systemic lupus erythematosus. *Lupus* 31(9):1-6 DOI:10.1177/09612033221108852. Sonali Dey, Rashmi Roongta & Sumantra Mondal etc.
- Interleukin-17 as a predictor of subclinical synovitis in the remission state of rheumatoid arthritis. *Cytokine* 153(6):155837. DOI:10.1016/j.cyto.2022.155837. Sanchaita Misra & Sumantra Mondal etc.
- Does post-COVID reactive arthritis exist? Experience of a tertiary care centre with a review of the literature. *Reumatología Clínica*. DOI:10.1016/j.reuma.2022.03.004. Atanu Pal, Rashmi Roongta & Sumantra Mondal etc.
- Two flares of Still's disease after two doses of the ChAdOx1 vaccine. *Clinical Rheumatology* 41(6):1-6. DOI:10.1007/s10067-022-06124-z. Rashmi Roongta & Sumantra Mondal etc.
- Marrow Matters. *British Journal of Rheumatology* 61(8). DOI:10.1093/rheumatology/keac029. Rashmi Roongta & Sumantra Mondal etc.
- Coronavirus Disease-19 associated arthritis – An observational study. *Journal of Indian Rheumatology Association* 17(2). DOI:10.4103/injr.injr\_133\_21. Debanjali Sinha & Sumantra Mondal etc.
- Microscopic Polyangiitis with Pulmonary-renal Involvement in a Patient with Polyarticular Juvenile Idiopathic Arthritis: A Case Report. *Indian Journal of Nephrology*. DOI:10.4103/ijn.ijn\_414\_21. Sumantra Mondal & Geetabali Sircar etc.
- Bagchi A, Ghosh P, Ghosh A, Chatterjee M. Role of oxidative stress in induction of trans-differentiation of neutrophils in patients with rheumatoid arthritis. *Free Radic Res*. 2022 Mar-Apr;56(3-4):290-302. doi: 10.1080/10715762.2022.2089567. Epub 2022 Jun 22. PMID: 35730185.
- Ghosh P, Kumar Sarma P, et al. The window of opportunity in axial spondyloarthritis: A Stitch in Time. *Int J Med Res and Rev*. 2022:10

## SERVICE INFORMATION

SERVICES	DETAILS	FREQUENCY	VOLUME
Outpatient services	Rheumatology OPD	Thrice/week (Monday, Wednesday & Friday)	350 -400 per day
	Lupus clinic	Once/week (Tuesday)	130-160 per week
	Early Arthritis clinic	Once/week (Thursday)	70-80 per week
	Scleroderma clinic & Vasculitis clinic	Twice /Month (2 <sup>nd</sup> & 4 <sup>th</sup> Thursday )	
Biologics board	Once/Month (1 <sup>st</sup> Thursday)		
Indoor (Male & Female)	2 <sup>nd</sup> Floor & 3 <sup>rd</sup> Floor	Monday to Saturday	80-90 per month
Day Care	Intra Articular Injection / Intralesional injection Nerve Biopsy / Muscle Biopsy Injection Cyclophosphamide Intravenous Injection Biologicals Lip biopsy Skin biopsy		900-1000 such/month 1 such/month 200-250 such/month 40-50 such/month 3-4 per month 2-3 such/month
Imaging	BMD DEXA	Twice/week (Tuesday & Thursday)	25 -30 per week
	MSK-USG/PDUS	Monday to Saturday	110-120 per week
	Kidney biopsy –USG guided		06-08 such/month
	USG – guided IACS	Monday to Friday	17-20 per week
Laboratory services	Autoantibody and other immunological tests including ELISA, Nephelometry, Immunoblot and immunofluorescence microscopy based tests like RF, hsCRP, Ceruloplasmin, IgG, IgA, IgM, LP(a), Anti-CCP, ANA, anti ds-DNA antibody, C3, C4, ANA profile (ENA), ANA profile (special), Myositis profile, Myositis profile (special), Systemic Sclerosis profile, Auto immune Liver profile, Neuro profile, Allergy profile (dust, food), MPO, PR3, Anti Ro(SSA), Anti La(SSB), Anti Cardiolipin b-IgA, IgM, IgG; Anti β2 Glycoprotein b-IgA, IgM, IgG; ANCA(cANCA, pANCA), Ferritin, 25(OH) VitD, ASMA, AMA, LKM, Cryoglobulin, Cryofibrinogen, Auto immune encephalitis panel, PLA2R (IIFT), PLA2R (ELISA), U1RNP, GBM, NMOSD Screen 1 ( MOG & AQP4) etc.		Done regularly