

Name: Amos Solomon Gaikwad

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Academic Qualifications:

PhD	Biochemistry	(1991)	Indian Institute of Science
MS	Microbiology	(1986)	Pune University, INDIA
BS	Microbiology (Major)	(1981)	Pune University, INDIA

Teaching positions:

Biology Professor (Adjunct) Houston Community College System (HCCS)  
01/2010-Present

Current Professional (Non-teaching Positions):

Flow Cytometry (Supervisor) Texas Children's Hospital

Assistant Professor (Adjunct) Baylor College of Medicine

Experience:

**Research experience:** 1991-present:

- In the fields of biochemistry, molecular, cellular and cancer biology.
- Flow cytometry: 2009-present

**Professional publications relevant to the academic positions (selected of 45):**

Yost CM, **Gaikwad AS**, Parsons DW, Rabin KR, Gant VU, Fisher KE, Marcogliese AN, Schafer ES. Aberrant leukemia-associated immunophenotype as potential harbinger of lineage switch in *KMT2A*-rearranged leukemia: a case series  
*Leuk Lymphoma* 2020 Sep 2;1-4. doi: 10.1080/10428194.2020.1815018. Online ahead of print.

Namazzi R, **Gaikwad A**, Wasswa P, Cubbage M, Kambugu JB, Kasirye P, Geriga F, Allen C, Lubega J. Improving diagnosis and treatment of acute childhood leukemia in Uganda: impact of flow cytometry.  
*Blood Adv.* 2018 Nov 30;2(Suppl 1):21-23. doi: 10.1182/bloodadvances.

**Gaikwad A**, Challice L, Bonifant, Michael Cubbage, Tatiana Goltsova, Malkanthi Mudannayake, Jo Ringrose, Jyotinder Punia, Dolores Lopez-Terrada and Andrea M. Sheehan  
Detection of Lymphoid and Myeloid Lineages in Infantile B Acute Lymphoblastic Leukemia with Mixed Lineage Leukemia Rearrangement by Use of Flow Cytometry and Cytogenetics  
*Clinical Lymphoma, Myeloma & Leukemia*, 2014, Sep;14 Suppl:S2-5.

**Gaikwad A**, Donohue RE, Elghetany MT, Sheehan AM, Lu XY, Gramatges MM, McClain KL, Mistretta TA, Punia JN, Moore TJ, Goltsova T, Cubbage M, Curry CV.  
Expression of CD25 is a specific and relatively sensitive marker for the Philadelphia chromosome (BCR-ABL1) translocation in pediatric B acute lymphoblastic leukemia.

*Int J Clin Exp Pathol.* 2014 Aug 15;7(9):6225-30

Allen CE, Li L, Peters T, Leung HC, Yu A, Man TK, Gurusiddappa S, Phillips M, Hicks MJ, **Gaikwad A**, Merad M, McClain KL.

Cell-Specific Gene Expression in Langerhans Cell Histiocytosis Lesions Reveals a Distinct Profile Compared to Epidermal Langerhans Cells.

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**Gaikwad A**, Rye C, Devidas M, Heerema N, Carroll A, Izraeli S, Plon S, Basso G, Pession A, Rabin K.  
Prevalence and clinical correlates of JAK2 mutations in Down syndrome acute lymphoblastic leukaemia.  
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[Gaikwad A](#), Prchal J.

Study of two tyrosine kinase inhibitors on growth and signal transduction in polycythemia vera. *Exp. Hematol.* 2007 Nov 35(11):1647-56

[Gaikwad A](#), Verstovsek S, Yoon D, Chang KT, Mansouri T, Nussenzeig R, Cortes J, Vainchenker W, Prchal JT.

Imatinib effect on growth and signal transduction in polycythemia vera. *Exp. Hematol.* 2007 Jun 35(6):931-8

[Gaikwad A](#), Nussenzeig R, Liu E, Gottshalk S, Chang K, Prchal JT. *In vitro* expansion of erythroid progenitors from PV patients leads to decrease in  $JAK2^{V617F}$  allele.

*Exp. Hematol.* 2007; Apr 35(4):587-95

[Gaikwad A](#), Poblenz A, Haridas V, Zhang C, Duvic M, Guterman J.

Triterpenoid electrophiles (avicins) suppress Hsp70 and XIAP proteins in malignant cells by activation of ubiquitin machinery: Implications for pro-apoptotic activity.

*Clinical Cancer Research* 2005;11 (5):1953-62

ubiquitination in the fission yeast, *S. pombe*.  
*Proc. Natl. Acad. Sci. (USA)*. 2005; 102 (36) 12771-6

Iskander K, [Gaikwad A](#), Long D, Barrios R, Jaiswal A.  
Lower induction of p53 and decreased apoptosis in NQO1-null mice leads to increased sensitivity of  
chemical-induced skin carcinogenesis.  
*Cancer Res.* 2005; 65(6):2054-8

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Gutterman J.

Triterpenoid electrophiles (Avicins) activate innate stress response by redox regulation of a gene  
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[Gaikwad A](#), Hop D, Mukherjee S.  
A 70-kDa chloroplast DNA polymerase from pea (*Pisum sativum*) that shows high processivity and  
displays moderate fidelity.  
*Mol Genet Genomics* 2002; 267(1): 45-56

[Gaikwad A](#), Long II D, Stringer J, Jaiswal A.  
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and accumulation of abdominal adipose tissue.  
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Suppression of pea nuclear topoisomerase I enzyme activity by pea PCNA

*The Plant Journal* 1999; 19 (2) 153-162

**Gaikwad A**, Tewari K, Kumar D, Chen W, Mukherjee S.

Isolation and characterization of cDNA encoding an accessory protein of pea chloroplast DNA polymerase: Glycosylation of the protein.

**Nucleic Acids Research** 1999; 27 (15) 3120-3129