

**Sant P. Chawla, M.D.**

**❧ CURRICULUM VITAE ❧**

**PERSONAL INFORMATION:**

**Sant P. Chawla, M.D., FRACP**

Sant P. Chawla M.D., Inc. (Medical Practice)  
Sarcoma Oncology Center (Clinical Research Center)  
2811 Wilshire Blvd., Suite 414, Santa Monica, CA 90403  
Office Phone: (310) 552-9999; Office Fax: (310) 201-6685; Mobile: (310) 500-5391  
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**CURRENT POSITIONS:**

**Director, Sarcoma Oncology Center & Sant P. Chawla M.D., Inc.**  
2811 Wilshire Blvd #414, Santa Monica, CA 90403

**CURRENT APPOINTMENTS AND AFFILIATIONS:**

<b>M.D. Anderson Cancer Center, Adjunct Associate Professor</b> University of Texas, Houston, TX	2008-Present
<b>UCLA David Geffen School of Medicine, Assoc. Clinical Professor of Medicine</b> Los Angeles, CA	2004-Present
<b>Cedars-Sinai Comprehensive Cancer Center, Medical Oncologist</b> Los Angeles, CA	1998-Present
<b>USC Keck School of Medicine, Asst. Clinical Professor of Medicine</b> Los Angeles, CA	1998-Present
<b>John Wayne Cancer Institute, Adjunct Faculty, Medical Oncologist</b> Santa Monica, CA	1991-Present

**PAST APPOINTMENTS AND AFFILIATIONS:**

<b>Stanford University Medical Center, Adjunct Associate Professor</b> Palo Alto, CA	2011-2014
<b>UCLA-Santa Monica Hospital, Director of Medical Oncology</b> Santa Monica, CA	2004-2008
<b>Midway Hospital Cancer Center, Director of Medical Oncology</b> Los Angeles, CA	2004-2005

## Sant P. Chawla, M.D.

<b>Century City Hospital Cancer Center</b> , <i>Associate Director</i> Los Angeles, CA	1999-2005
<b>Century City Hospital</b> , <i>Director of Medical Oncology</i> Los Angeles, CA	1997-2007
<b>Orthopaedic Hospital</b> , <i>Director of Medical Oncology</i> Los Angeles, CA	1994-2008
<b>UCLA David Geffen School of Medicine</b> , <i>Asst. Clinical Professor of Medicine</i> Los Angeles, CA	1989-2004
<b>Hospital of the Good Samaritan</b> , <i>Director of Developmental Chemotherapy</i> Los Angeles, CA	1990-1996
<b>Comprehensive Cancer Research Group</b> , <i>Co-Director of Cancer Research</i> Cedars-Sinai Comprehensive Cancer Center	1990
<b>M.D. Anderson Cancer Center</b> <i>Asst. Professor of Medicine</i> <i>Melanoma / Sarcoma / Medical Gynecology / Oncology</i> University of Texas, Houston, TX	1986-1988
<b>M.D. Anderson Cancer Center</b> , <i>Asst. Internist</i> <i>Department of Medical Oncology</i> University of Texas, Houston, TX	1986-1988
<b>Auckland Hospital</b> , <i>Registrar Clinical Oncology</i> <i>Department of Oncology</i> Auckland, New Zealand	1980-1981
<b><u>EDUCATION:</u></b>	
<b>College: University of Rajasthan</b> , <i>B.S. Premed</i> Jaipur, India	1970-1971
<b>Medical School: All India Institute of Medical Sciences</b> , <i>M.B.B.S.</i> New Delhi, India	1971-1975
<b>Rotating Internship: All India Institute of Medical Sciences</b> New Delhi, India	1976
<b>1st Yr Residency: Post Graduate Institute of Medical Sciences</b> , <i>Internal Medicine</i> Chandigarh, India	1977
<b>2nd-3rd Yr Residency: All India Institute of Medical Sciences</b> , <i>Internal Medicine</i> New Delhi, India	1977-1980

## Sant P. Chawla, M.D.

**Registrar: Auckland Hospital, Medical Oncology** 1980-1981  
Auckland, New Zealand

**Fellowship: M.D. Anderson Cancer Center, Medical Oncology** 1981-1984  
University of Texas, Houston, TX

**Fellow Royal Australasian College of Physicians, F.R.A.C.P., Medical Oncology** 1980-1981

### LICENSURE

**Texas**, License No. G-6917 (1984)

**California**, License No. A45088 (1988)

### BOARD CERTIFICATIONS

**American Board of Internal Medicine**, 1985 (Valid Indefinitely)

**American Board of Medical Oncology**, 1987 (Valid Indefinitely)

### TEACHING EXPERIENCE

Teach Residents and Students from  
**UCLA School of Medicine at Orthopaedic Hospital** 1992-Present

Teach Fellows, Residents and Students at  
**Norris Cancer Center, USC Medical Center** 1997-Present

Teach Fellows, Residents and Students at  
**UCLA Medical Center** 1988-Present

Teach Fellows, Residents and Students at

**Cedars-Sinai Medical Center, Department of Medicine** 1988-Present

Taught Fellows, Residents and Students at  
**M.D. Anderson Cancer Center, Department of Gynecology** 1985-1988

Taught House Staff and Students at  
**Auckland Hospital, New Zealand, Department of Medicine & Medical Oncology** 1984-1981

Taught House Staff and Students at  
**All India Institute of Medical Sciences, Department of Medicine** 1978-1979

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### SOCIETY MEMBERSHIPS

- **American Society of Clinical Oncology (Frequent Presenter)**
- **American Medical Association**
- **Los Angeles County Medical Association**
- **California Medical Association**
- **Connective Tissue Oncology Society**

## Sant P. Chawla, M.D.

**Aimsonians of America (Alumni Association of All India Institute of Medical Sciences)**

- **Indian Medical Association of Greater Los Angeles (Past President)**

### RESEARCH ACTIVITIES

- **Developmental and Experimental Therapeutics**
- **Phase I – III Clinical Trials involving Molecular, Biological, Targeted-Gene Therapy and Anti-Neoplastics**
  - **Phase IV Clinical Trials**

### ∞ PUBLICATIONS & PRESENTATIONS ∞

#### Peer-Reviewed Publications

1. **Tumor Hypoxia is a Therapeutic Target in Soft Tissue Sarcoma.** *Cancer Discovery*. Published Online First September 11, 2014;doi:10.1158/2159-8290.CD-RW2014-193. Chawla SP, Crammer LD, Van Tine BA, Reed DR, Okuno SH, Butrynski JE et al.

2. **Phase II Study of the Safety and Antitumor Activity of the Hypoxia-Activate Prodrug TH-302 in Combination With Doxorubicin in Patients With Advanced Soft Tissue Sarcoma.** *J Clin Oncol 32* : 2014. Authors: Sant P Chawla, Sarcoma Oncology Center, Santa Monica, CA; Lee D. Cramer, University of Arizona Cancer Center, Tucson, Az; Brian A van Tine and Douglas R. Adkins, Washington University in St Louis, St Louis, MO; Damon R. Reed, Moffitt Cancer Center and Research Institute, Tampa, FL; Scott H.Okuno, Mayo Clinic , Rochester, MN; James E. Butrynski, Dana Farber Cancer Institute, Boston, MA; Kristen N, Ganjoo, Stanford University Medical Center, Stanford , CA. Andrew E. Hendifar, Cedars Sinai Hospital , Los Angeles, CA; Stew Kroll, Threshold Pharmaceuticals, South San Francisco;

3. **Pazopanib in uterine sarcoma (UtS): Review of two European Organisation for Research and Treatment of Cancer (EORTC) and GSK clinical trials 62043 and 62072 on pazopanib for soft tissue sarcoma (STS).** *J Clin Oncol 32:5s*, 2014. Authors: Isabelle Laure Ray-Coquard, Stefan Sleijfer, Saskia Litière, Jean-Yves Blay, Axel Le Cesne, Zsuzsanna Papai, Ian Robert Judson, Patrick Schoffski, Sant P. Chawla, Thierry Gil, Sophie Piperno-Neumann,

## **Sant P. Chawla, M.D.**

Sandrine Marreaud, Rachel Hodge, Winette T.A. Van Der Graaf; Centre Léon Bérard, Lyon, France; Erasmus MC Cancer Institute, Department of Medical Oncology and Cancer Genomics Netherlands, Rotterdam, Netherlands; European Organisation for Research and Treatment of Cancer, Brussels, Belgium; Institut Gustave Roussy, Villejuif, France; Oncology Department, State Health Center, Budapest, Hungary; The Royal Marsden NHS Foundation Trust, London, United Kingdom; Laboratory of Experimental Oncology and Department of General Medical Oncology, KU Leuven and University Hospitals, Leuven, Belgium; Sarcoma Oncology Center, Santa Monica, CA; Institut Jules Bordet, Université Libre de Bruxelles, Brussels, Belgium; Institut Curie, Paris, France; GlaxoSmithKline Oncology, Uxbridge, United Kingdom; Department of Medical Oncology, Radboud University Medical Center, Nijmegen, Netherlands.

**4. Response to treatment with denosumab in patients with giant cell tumor of bone (GCTB): FDG PET results from two phase 2 trials.** *J Clin Oncol* 32:5s, 2014. Authors: Keith M. Skubitz, David Morgan Thomas, [Sant P. Chawla](#), Arthur P. Staddon, Jacob Engellau, Amy Feng, Bruce A. Bach; University of Minnesota, Minneapolis, MN; Peter MacCallum Cancer Centre, Melbourne, Australia; Sarcoma Oncology Center, Santa Monica, CA; Pennsylvania Oncology Hematology Associates, Philadelphia, PA; Skåne University Hospital, Lund, Sweden; Amgen Inc., Thousand Oaks, CA; Amgen, Inc., Thousand Oaks, CA.

**5. Low-dose gemcitabine doxorubicin and docetaxel combination in patients with advanced/unresectable/metastatic sarcoma who failed prior chemotherapy: Updated analysis.** *J Clin Oncol* 32:5s, 2014. Authors: Vivek Narasimhan, James Hu, Kamalesh Kumar Sankhala, Doris V. Quon, Lawrence Menendez, Lita Fernandez, Victoria S Chua, [Sant P. Chawla](#); Sarcoma Oncology Center, Santa Monica, CA; USC Norris Comprehensive Cancer Center, Los Angeles, CA.

**6. Randomized phase 2b trial comparing first-line treatment with doxorubicin versus doxorubicin in patients with advanced soft tissue sarcomas.** *J Clin Oncol* 32:5s, 2014. Authors: [Sant P. Chawla](#), Zsuzsanna Papai, Kamalesh Sankhala, Leonid Vasylyev, Guzel Mukhametsina, Mamed Aliev, Kenneth Khamly, Scott Wieland, Daniel J. Levitt; Sarcoma Oncology Center, Santa Monica, CA; Oncology Department, State Health Center, Budapest, Hungary; CTRC Institute for Drug development, San Antonio, TX; Institute of Medical Radiology, Kharkiv, Ukraine; State Healthcare Institute Republican Clinical Oncological Center of the Ministry of Health of the Republic of Tatarstan, Kazan, Russia; Blokhin Cancer Research Center, Moscow, Russia; Epworth Healthcare and Clinical Trials Research Centre, Richmond, Australia; CytRx Corporation, Los Angeles, CA.

**7. 14-day continuous infusion ifosfamide in advanced refractory sarcomas.** *J Clin Oncol* 32:5s, 2014. Authors: Arun S. Singh, Kamalesh Kumar Sankhala, Arnob Mukherjee, Vivek Narasimha, Bartosz Chmielowski, Doris V. Quon, Vicky Chua, [Sant P. Chawla](#); University of California Los Angeles Medical Center, Santa Monica, CA; Sarcoma Oncology Center, Santa Monica, CA; School of Medicine/Translational Oncology Research Laboratory, University of California, Los Angeles, Los Angeles, CA:

**8. Anticancer activity of the type I insulin-like growth factor receptor antagonist, ganitumab, in combination with the death receptor 5 agonist, conatumumab.** *Target Oncol.* 2014 May 11. [Epub ahead of print]. Authors: Tabernero J, [Chawla SP](#), Kindler H, Reckamp K, Chiorean EG, Azad NS, Lockhart AC, Hsu CP, Baker NF, Galimi F, Beltran P, Baselga J.

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- 9. A phase 2 trial of R1507, a monoclonal antibody to the insulin-like growth factor-1 receptor (IGF-1R), in patients with recurrent or refractory rhabdomyosarcoma, osteosarcoma, synovial sarcoma, and other soft tissue sarcomas: Results of a Sarcoma Alliance for Research Through Collaboration study.** *Cancer*. 2014 May 2. doi: 10.1002/cncr.28728. [Epub ahead of print]. Pappo AS, Vassal G, Crowley JJ, Bolejack V, Hogendoorn PC, Chugh R, Ladanyi M, Grippo JF, Dall G, Staddon AP, Chawla SP, Maki RG, Araujo DM, Georger B, Ganjoo K, Marina N, Blay JY, Schuetze SM, Chow WA, Helman LJ.
- 10. Randomised phase III trial of trabectedin versus doxorubicin-based chemotherapy as first-line therapy in translocation-related sarcomas.** *Eur J Cancer*. 2014 Apr;50(6):1137-47. doi: 10.1016/j.ejca.2014.01.012. Epub 2014 Feb 7. Authors: Blay JY, Leahy MG, Nguyen BB, Patel SR, Hohenberger P, Santoro A, Staddon AP, Penel N, Piperno-Neumann S, Hendifar A, Lardelli P, Nieto A, Alfaro V, Chawla SP.
- 11 A Phase II multicenter, open-label, clinical and pharmacokinetic trial of PM00104 in patients with advanced Ewing Family of Tumors.** *Invest New Drugs*. 2014 Feb;32(1):171-7. doi: 10.1007/s10637-013-0037-6. Epub 2013 Nov 1. Authors: Jones RL, Ferrari S, Blay JY, Navid F, Lardelli P, Alfaro V, Siguero M, Soman N, Chawla SP.
- 12. Giant cell tumor of bone in childhood: clinical aspects and novel therapeutic targets.** *Paediatric Drugs*. 2014 Feb;16(1):21-8. doi: 10.1007/s40272-013-0051-3. Authors: Federman N, Brien EW, Narasimhan V, Dry SM, Sodhi M, Chawla SP.
- 13. A Phase II multicenter, open-label, clinical and pharmacokinetic trial of PM00104 in patients with advanced Ewing Family of Tumors.** *Invest New Drugs*. November 01 2013. Authors: Jones, R. L., Ferrari, S., Blay, J. Y., Navid, F., Lardelli, P., Alfaro, V., Siguero, M., Soman, N. Chawla, Sant.
- 14. Giant Cell Tumor of Bone in Childhood: Clinical Aspects and Novel Therapeutic Targets.** *Pediatric Drugs (2013): 1-8 , October 10, 2013*. Authors: Noah Federman, Earl W. Brien, Vivek Narsimhan, Sarah M. Dry, Monish Sodhi, Sant Chawla.
- 15. Ridaforolimus in advanced or metastatic soft tissue and bone sarcomas.** *Expert Review of Clinical Pharmacology*, September 2013. Authors: Mita, M. M., Gong, J, Chawla, Sant.
- 16. Safety and efficacy of denosumab for adults and skeletally mature adolescents with giant cell tumour of bone: interim analysis of an open-label, parallel-group, phase 2 study.** *The Lancet Oncology, Volume 14, Issue 9, Pages 901 - 908, August 2013*. Authors: Sant Chawla, Robert Henshaw, Leanne Seeger, Edwin Choy, Jean-Yves Blay, Stefano Ferrari, Judith Kroep, Robert Grimer, Peter Reichardt, Piotr Rutkowski, Scott Schuetze, Keith Skubit, Arthur Staddon, David Thomas, Yi Qian, Ira Jacobs.
- 17 Anti-cancer activity of the type I insulin-like growth factor receptor antagonist, ganitumab, in combination with the death receptor 5 agonist, conatumumab.** *Molecular Cancer Therapeutics, February 2013*. Authors: Joseph Tabenero, Sant P. Chawla, Hedy Kindler, Karen Reckamp, E. Gabriela Chiorean, Nilofer S. Azad, A. Craig Lockhart, Cheng-Pang Hsu, Nigel F. Baker, Francesco Galimi, Pedro Beltran, Jose Baselga.

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- 18 Phase I study to assess the pharmacokinetics and the effect on cardiac repolarization of amrubicin and amrubicinol in patients with advanced solid tumors.** *Cancer Chemotherapy and Pharmacology: Volum 71, Issue 4 (2013), Page 1083-1094.* Authors: Nianhang Chen, Sant P. Chawla, Elena Gabriela Chiorean, William L. Read, Mayer Gorbaty, Alain C. Mita, Lotus Yung, Peter Bryan, Richard McNally, Markus F. Renschler, Sunil Sharma.
- 19, Clinical effect of denosumab treatment on giant cell tumor of bone (GCTB).** *Lancet Oncology, February 2013.* Authors: Sant Chawla, Robert Henshaw, Leanne Seeger, Edwin Choy, Jean-Yves Blay, Stefano Ferrar, Judith Kroep, Robert Grimer, Peter Reichardt, Piotr Rutkowski, Scott Schuetze, Keith Skubitz, Arthur Staddon, David Thomas, Yi Qian, Ira Jacobs.
- 20. Phase I dose escalation study of eltrombopag in patients with advanced soft tissue sarcoma receiving doxorubicin and ifosfamide.** *BioMed Central, March 2013.* Authors: Sant P. Chawla, Arthur Staddon, Andrew Hendifar, Conrad A. Messam, Rita Patwardhan, Yasser Mostafa Kamel.
- 21. Moving Beyond Response Criteria: New Measures of Success in the Treatment of Sarcomas.** *Current Treatment Options in Oncology, Online First™, 30 May 2012.* Authors: Andrew E. Hendifar, Elke Ahlmann, Daniel C. Allison, James Hu, Lawrence Menendez, Sant P. Chawla.
- 22. Seguridad y eficacia de denosumab en el tumor de células gigantes de hueso (TCG): análisis interino de un ensayo de fase 2.** *2º Simposio Nacional de la SEOM, Madrid 24 – 26 Octubre 2012.* Authors: J. Martin Broto (1), J. Y. Blay (2), S. P. Chawla (3), E. Choy (4), M. Dominkus (5), J. Engellau (6), R. Grimer (7), R. M. Henshaw (8), Y. Qian (9), I. A. Jacobs (9).
- 23. A Meta- Analysis of Osteosarcoma Outcomes in the Modern Medical Era.** *Sarcoma, March, 2012.* Daniel C. Allison, Scott C. Carney, Elke R. Ahlmann, Andrew Hendifar, Sant Chawla, Alex Fedenko, Constance Angeles, and Lawrence R. Menendez.
- 24. First-line treatment of metastatic or locally advanced unresectable soft tissue sarcomas with conatumumab in combination with doxorubicin or doxorubicin alone: A Phase I/II open-label and double-blind study.** *Eur J Cancer. 2012 Jan 10.* Authors: Demetri GD, Le Cesne A, Chawla SP, Brodowicz T, Maki RG, Bach BA, Smethurst DP, Bray S, Hei YJ, Blay JY.
- 25. Phase II study of the mammalian target of rapamycin inhibitor ridaforolimus in patients with advanced bone and soft tissue sarcomas.** *J Clin Oncol. 2012 Jan 1;30(1):78-84.* Authors: Chawla SP, Staddon AP, Baker LH, Schuetze SM, Tolcher AW, D'Amato GZ, Blay JY, Mita MM, Sankhala KK, Berk L, Rivera VM, Clackson T, Loewy JW, Haluska FG, Demetri GD.
- 26. R1507, a monoclonal antibody to the insulin-like growth factor 1 receptor, in patients with recurrent or refractory Ewing sarcoma family of tumors: results of a phase II Sarcoma Alliance for Research through Collaboration study.** *J Clin Oncol. 2011 Dec 1;29(34):4541-7.* Authors: Pappo AS, Patel SR, Crowley J, Reinke DK, Kuenkele KP, Chawla SP, Toner GC, Maki RG, Meyers PA, Chugh R, Ganjoo KN, Schuetze SM, Juergens H, Leahy MG, Georger B, Benjamin RS, Helman LJ, Baker LH.

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27. **Treatment approaches to sarcoma in the community setting.** *Clin Adv Hematol Oncol.* 2011 Jun;9(6):460-1. Author: Chawla S.P.
28. **A phase I study of the safety and pharmacokinetics of the hypoxia-activated prodrug TH-302 in combination with doxorubicin in patients with advanced soft tissue sarcoma.** *Oncology.* 2011;80(1-2):50-6 Authors: Ganjoo KN, Cranmer LD, Butrynski JE, Rushing D, Adkins D, Okuno SH, Lorente G, Kroll S, Langmuir VK, Chawla SP.
28. **Pathotropic targeting advances clinical oncology: Tumor-targeted localization of therapeutic gene delivery.** *Oncology Reports* (2010) 24, 829-833. Authors: Hall, F.L., Levy J.P., Reed R.A, Petchpud, W.N., Chua V.S., Chawla S.P., Gordon E.M.
30. **Advanced Phase I/II Studies of Targeted Gene Delivery In Vivo: Intravenous Rexin-G for Gemcitabine-resistant Metastatic Pancreatic Cancer.** *Molecular Therapy,* (2010) 18 2, 435–441. doi:10.1038/mt.2009.228. Authors: Chawla S.P., Chua V.S., Fernandez L., Quon D., Blackwelder W.C., Gordon E.M., Hall F.L.
31. **Efficacy and Safety of Trabectedin in Patients With Advanced or Metastatic Liposarcoma or Leiomyosarcoma After Failure of Prior Anthracyclines and Ifosfamide: Results of a Randomized Phase II Study of Two Different Schedules.** Authors: Demetri G.D., Chawla S., et al: *Journal of Clinical Oncology, Vol 27, No 25 (September 1), 2009: pp. 4188-4196.*
32. **Clinical Case Review: Desmoplastic Small Round Cell Tumor: Current Treatment Approach and Role of Targeted Therapy.** *Clin Adv Hematol Oncol.* 2009 Jul;7(7):476-8. Authors: Sankhala, K.K., Chawla S.P.
33. **Perifosine as an active agent in the treatment of patients with advanced sarcoma.** *ASCO-Journal of Clinical Oncology. Vol 25, No. 18S (June 20, 2007 Supplement), 2007: 10059.* Authors: Birch R., Chawla S.P., Sarcoma Oncology Center.
34. **Yondelis Sarcoma Study Group. Randomized Phase II study of Trabectedin in patients with Liposarcoma and Leiomyosarcoma after failure of prior anthracyclines (A) and Ifosfamide (I).** *ASCO-Journal of Clinical Oncology. Vol 25, No. 18S (June 20, 2007 Supplement), 2007: 10060.* Authors: Morgan J. A., Le Cesne A., Chawla S.P., Mehren M. Von, Schuetze S., Casali P.G., Nieto A., Elsayed Y., Izquierdo M. A. and Demetri G.
35. **Survival results with AP23573, a novel mTOR inhibitor, in patients with advanced soft tissue or bone sarcomas: Update of phase II trial.** *ASCO-Journal of Clinical Oncology. Vol 25, No. 18S (June 20, 2007 Supplement), 2007:10076.* Authors: Chawla S.P., Tolcher A. W., Staddon A. P., Schuetze S., D'Amato G. Z., Blay J. Y., Loewy J., Kan R. and Demetri G. D., Century City Doctor's Hospital.
36. **Effects of Denosumab in the treatment of Giant Cell Tumor of Bone: Preliminary results from an open-label phase 2 study.** *CTOS 2007. 2004015 study. Aspire ID 1-V7VJ.* June 18, 2007. Authors: Thomas D., Chawla S.P., Skubitz K., Smith J., Ye Z., Jun S.
37. **AP23573 Sarcoma Phase II Trials, a novel mTOR inhibito, in patients (pts) with advanced soft tissue or bone sarcomas.** *Journal of Clinical Oncology, Vol 24, No. 18S (June 20 Supplement), 2006: 9505.* Authors: Chawla S.P., A.W. Tolcher, A.P. Staddon, S.M. Schuetze, G.Z. D'Amato, J.Y. Blay, K.K. Sankhala, S.T. Daly, V.M. Rivera, G.D. Demetri.



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38. **AP23573: A Review of Recent Results, AP23573 is a targeted cancer therapy that inhibits the activity of mTOR, a cellular enzyme that plays a key role in cell growth and proliferation.** *The Liddy Shriver Sarcoma Initiative, Newsletter Vo3 No4*, <http://www.liddyshiversarcomainitiative.org/Newsletters/V02 N04/AP23573/ap23573.htm>, copyright 2005. Authors: Chawla S.P., Sankhala K. K., Century City Doctors Hospital.
39. **Establishing the Dose of MK-0869, an Oral NK1 Antagonist, for the Prevention of Chemotherapy-Induced Nausea and Emesis.** *Cancer 2003; 97:2290-300*. Authors: S.P. Chawla, S.M. Grunberg, R.J. Gralla et al.
40. **The Oral Neurokinin-1 Antagonist Aprepitant for the Prevention of Chemotherapy-Induced Nausea and Vomiting: A Multinational, Randomized, Double-Blind, Placebo-Controlled Trial in Patients Receiving High Dose Cisplatin- The Aprepitant Protocol 052 Study Group.** *Journal of Clinical Oncology, Vol.21, No 22, #4112- 4119, (November 15) 2003*. Authors: P.J. Hesketh, S.M. Grunberg, R.J. Gralla, D.G. Warr, F. Roila, R.D. Wit, S.P. Chawla, et.al.
41. **Primary chemotherapy for Osteosarcoma with systemic adriamycin and intra-arterial cisplatin.** *Cancer Bulletin, vol 42:5, 314-317, 1990*. Authors: Benjamin R. S., Chawla S.P., Carrasco C.H., Raymond A. K., Murray J. A., and Armen T. O.
42. **Osteosarcoma of the Head and Neck.** *Cancer Bulletin, vol 42:5, 347-354, 1990*. Authors: Geopfert H., Raymond A. K., Spires J. R., Chawla S.P., Wolf P. F., Lee Y., and Batsakis, J.G.
43. **Osteosarcoma: Angiographic Assessment of Response to Preoperative Chemotherapy.** *Radiology 170:839-342, 1989*. Authors: Carrasco C. H., Claringsangarej C. O., Raymond A. K., Richli W. R., Wallace S., Chawla S.P., Ayala A. G.
44. **Recovery of Sperm Production After Chemotherapy for Osteosarcoma.** *Cancer, 63:2115-2123, 1989*. Authors: Meistrick M. L., Chawla S.P., Da Cunha M. F., Johnson S. L., Plager C., Papadopoulos N. E., Lipsultz L. I., Benjamin R. S.
45. **Smooth Muscle Neoplasms of the Uterus other than Ordinary Leiomyosarcoma. A Study of 46 cases with Emphasis on Diagnostic Criteria and Prognostic Factors.** *Cancer, 62:2239-2247, 1988*. Authors : Evans H. L., Chawla S.P., Simpson C., Finn K. P.
46. **Phase I Study of Weekly-Administered Iproplatin [Cisdichloro-transdihydroxy-bis-isoprophylamine platin (chip, JM9)].** *Investigational New Drugs G:311-317, 1988*. Authors: Chawla S.P., Yap B. S., Tenny D. M., Bodey G. P. and Benjamin R. S.
47. **Aberrant Oncogene Expression in Uncultured Human Sarcoma and Melanoma.** *Anticancer Research 7:1117-1124, 1987*. Authors: Shin D. M., Gupta V., Ludvik D. , Chawla S.P., Benjamin S., Gutterman J. and Blick M.
48. **Clinical Evaluation of Recombinant Interferon alfa-2A (Roferon-A) in Metastatic Melanoma using Two Different Schedules.** *J. Clin Oncol 5:1240-1246, 1987*. Authors: Legha S. S., Papadopoulos N. E. J., Plager C., Ring S., Chawla S.P., Evans L. M., Benjamin R. S.
49. **A Randomized trial in Postmenopausal patients with Advanced Breast Cancer Comparing endocrine and Cytotoxic Therapy Given Sequentially or in Combination.** *J. Clin*

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*Oncol. 4:186-193, 1986.* Authors: Chawla S.P., (Australian and New Zealand Breast Cancer Trial Group).

**50. Chondro-sarcoma with Additional Mesenchymal component (“de-differentiated Chondrosarcoma) Part I: A Clinicopathological study of 26 cases.** *Cancer 58:278-286, 1986.* Authors: Johnson S., Tetu B., Ayala A. G., and Chawla S.P.

**51. A randomized trial in postmenopausal patients with advanced breast cancer comparing endocrine and cytotoxic therapy given sequentially or in combination.** By the Australian and New Zealand Breast Cancer Trial Group, Clinical Oncology Society of Australia. *J. Clin Oncol. 4:186-193, 1986.* Authors: Schwartz M., Chawla S.P., Harvey V., Kay R., Mak D., Manson B., Probert J., Stephens E., Wood H., et al.

**52. Phase II Studies of homoharringtone in patients with advanced malignant melanoma; sarcoma; head and neck, breast and colorectal carcinomas.** *Cancer Treatment Reports 70:375-379, 1986.* Authors: Dajani J. A., Dimery I., Chawla S.P., Pinnamaneni K., Benjamin R. S., Legha S. S., and Krakoff I. H.

**53. Limb-salvage surgery in osteosarcoma: Early experience at MD Anderson Hospital and Tumor Institute.** *Cancer Treatment Symposia 3:131-137, 1985.* Authors: Murray J. A., Jesspu K., Romsdahl M., Raymond K., Ayala A., Carrasco H., Wallace S., Jaffe N., Benjamin R., Plager C., Papadopoulos N., and Chawla S.P.

**54. Evaluation of Novantrone Cardiac Toxicity by Nuclear Angiography and endomyocardial biopsy: An update.** *Proceedings of the Current Status of Novantrone. Pp 69-73, 1985.* Authors: Benjamin R. S., Holmes F., Chawla S.P., Ewer M. S., Carrasco C. H., Mackay B., Dukart G., and Bodey G. P.

**55. Detorubicin - An active anthracycline in untreated metastatic melanoma.** *J. Clin Oncol 3:1529-1534, 1985.* Authors: Chawla S.P., Legha S. S., and Benjamin R. S.

**55. Malignant Fibrous Histiocytoma of Jaws: A Clinicopathologic study of eleven cases.** *Cancer 56:1590-1596, 1985.* Authors: Abdul-Karim F. W., Ayala A. G., Chawla S.P., Jing B. S., Geopfert H.

**56. Evaluation of Mitoxantrone cardiac toxicity by nuclear angiography and endomyocardial biopsy: An update.** *Invest New Drug 3:117-121, 1985.* Authors: Benjamin R. S., Chawla S.P., Ewer M. S., Carrasco C. H., Mackay B., and Holmes F.

**57. Tumor-associated fever in breast cancer.** *Cancer 53:1596-1599, 1984.* Authors: Chawla S.P., Buzdar A., Hortobagyi G., and Blumenschein G.

**58. A judicious approach to limb salvage.** *Cancer Bulletin 36:32-36, 1984.* Authors: Benjamin R. S., Murray J. A., Wallace S., Ayala A., Chawla S.P., Raymond A. K., Carrasco C. H., Romsdahl M. M., Papadopoulos N. E. J., and Plager C.

**59. High cumulative dose Adriamycin beyond the conventional limits of 500 mg/m<sup>2</sup> and reduction of cardiotoxicity by continuous infusion schedule** (eds, Spitzky K. H. and Karrer K.). *13th International Congress of Chemotherapy, Vienna, Austria. Verlag H. Egermann, 1983, pp.*

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- 2. Pazopanib in uterine sarcoma (UtS): Review of two European Organisation for Research and Treatment of Cancer (EORTC) and GSK clinical trials 62043 and 62072 on pazopanib for soft tissue sarcoma (STS).** *ASCO Abstract 2014, Abstract No. 10579.* Authors: Isabelle Laure Ray-Coquard, Stefan Sleijfer, Saskia Litière, Jean-Yves Blay, Axel Le Cesne, Zsuzsanna Papai, Ian Robert Judson, Patrick Schoffski, Sant P. Chawla, Thierry Gil, Sophie Piperno-Neumann, Sandrine Marreaud, Rachel Hodge, Winette T.A. Van Der Graaf; Centre Léon Bérard, Lyon, France; Erasmus MC Cancer Institute, Department of Medical Oncology and Cancer Genomics Netherlands, Rotterdam, Netherlands; European Organisation for Research and Treatment of Cancer, Brussels, Belgium; Institut Gustave Roussy, Villejuif, France; Oncology Department, State Health Center, Budapest, Hungary; The Royal Marsden NHS Foundation Trust, London, United Kingdom; Laboratory of Experimental Oncology and Department of General Medical Oncology, KU Leuven and University Hospitals, Leuven, Belgium; Sarcoma Oncology Center, Santa Monica, CA; Institut Jules Bordet, Université Libre de Bruxelles, Brussels, Belgium; Institut Curie, Paris, France; GlaxoSmithKline Oncology, Uxbridge, United Kingdom; Department of Medical Oncology, Radboud University Medical Center, Nijmegen, Netherlands.
- 3. Response to treatment with denosumab in patients with giant cell tumor of bone (GCTB): FDG PET results from two phase 2 trials.** *ASCO Abstract 2014, Abstract No. 10505.* Authors: Keith M. Skubitz, David Morgan Thomas, Sant P. Chawla, Arthur P. Staddon, Jacob Engellau, Amy Feng, Bruce A. Bach; University of Minnesota, Minneapolis, MN; Peter MacCallum Cancer Centre, Melbourne, Australia; Sarcoma Oncology Center, Santa Monica, CA; Pennsylvania Oncology Hematology Associates, Philadelphia, PA; Skåne University Hospital, Lund, Sweden; Amgen Inc., Thousand Oaks, CA; Amgen, Inc., Thousand Oaks, CA.
- 4. Low-dose gemcitabine doxorubicin and docetaxel combination in patients with advanced/unresectable/metastatic sarcoma who failed prior chemotherapy: Updated analysis.** *ASCO Abstract 2014, Abstract No. 10599.* Authors: Vivek Narasimhan, James Hu, Kamalesh Kumar Sankhala, Doris V. Quon, Lawrence Menendez, Lita Fernandez, Victoria S Chua, Sant P. Chawla; Sarcoma Oncology Center, Santa Monica, CA; USC Norris Comprehensive Cancer Center, Los Angeles, CA.

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- 7. Phase 1b study of RG7112 with doxorubicin (D) in advanced soft tissue sarcoma.** (ASTS) ASCO 2013. Authors: SP Chawla, JY Blay, A Italiano, M Gutierrez, A Le Cesne, CA Gomez-Roca, L Gouw, M von Mehren, AJ Wagner, RG Maki, BX Higgins, S Middleton, G Nichols, D Geho, S Blotner, J Zhi, LC Chen.
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- 9. Growth modulation index (GMI) as a metric of clinical benefit assessment among advanced soft tissue sarcoma (ASTS) patients receiving trabectedin as salvage therapy.** Submitted to 2012 ASCO Annual Meeting, June 1-5, 2012. Authors: Nicolas Penel, George D. Demetri, Jean-Yves Blay, Sophie Cousin, Robert G. Maki, Sant P. Chawla, Ian Robert Judson, Margaret von Mehren, Patrick Schoffski, Jaap Verweij, Paolo Giovanni Casali, Sjoerd Rodenhuis, Javier Gomez, Antonio Nieto, Patrik Zintl, Maria Jose Pontes Valero, Alexia Cassar, Axel Le Cesne; Centre Oscar Lambret, Lille, France; Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA; University Claude Bernard Lyon I, Centre Léon Bérard, Lyon, France; Mount Sinai School of Medicine, New York, NY; Sarcoma Oncology Center, Santa Monica, CA; The Royal Marsden NHS Foundation Trust, London, United Kingdom; Fox Chase Cancer Center, Philadelphia, PA; Department of General Medical Oncology, Leuven Cancer Institute, Catholic University of Leuven, Leuven, Belgium; Erasmus University Medical Center, Rotterdam, Netherlands; Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy; Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital, Amsterdam.
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**25. Efficacy and Safety of Conatumumab Plus AMG 479 in Patients (PTS) with Advanced Sarcoma.** *CTOS 16th Annual Meeting, Nov. 11-13, 2010. Abstract #890126.* Authors : Chawla S.P., et al.

**26. Yondelis ® (Trabectedin) hepatic safety profile as single-agent in soft tissue sarcoma (STS): Pooled analysis of phase II trials.** *CTOS 16th Annual Meeting, Nov. 11-13, 2010. Abstract #876470.* Authors: Demetri G.D., Le Cesne A., Yovine A., Maki R., Chawla S.P. et al.

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**29. Denosumab in Giant Cell Tumor of Bone: Interim Results from a Phase 2 Study.** *CTOS 16th Annual Meeting, Nov. 11-13, 2010. Abstract #900789.* Authors: Chawla S.P., et al.

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**32. A phase I/II study of intravenous rexin-g and rexinimmune-c for cancer immunotherapy: The GeneVieve protocol.** *2010 ASCO Abstract. June 4 - June 8, 2010. Abstract #: 49252.* Authors: Ignacio J.G., Chawla S.P., et al.

**33. An open-label, dose-ranging study to assess the safety, efficacy, and pharmacokinetics of eltrombopag in treating thrombocytopenia in patients with advanced sarcomas receiving doxorubicin and ifosfamide;** *2010 ASCO Abstract. June 4 - June 8, 2010.* Authors: Chawla S.P., Staddon A.P., Messam C., Graham A.M., Mostafa Kamel Y.M.

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- 37. Targeting tumor hypoxia with TH-302: Phase I results with monotherapy and combination with chemotherapy.** Authors: Chawla SP, et al.
- 38. Evaluation of the Safety and Efficacy of "Pathotropic" Nanoparticles Bearing a Dominant-Negative Cyclin G1 Construct (Rexin-G) as Monotherapy for Chemo-Resistant Osteosarcoma and Other Sarcomas -- Phase I/II and Phase II Studies;** *2009 ASCO Annual Meeting. May 30, 2009. Abstract #10513. J Clin Oncol 27:15s, 2009.* Authors: Chawla S.P., Chua V.S., Fernandez L., Quon D., Saralou A., Blackwelder W.C., Hall F.L., Gordon E.M.
- 39. Denosumab for the Treatment of Giant Cell Tumor (GCT) of Bone: Final results from a Proof-of-Concept, Phase 2 Study.** *2004015 study. 2009 ASCO Annual Meeting. May 30-June 1, 2009. Abstract #10510. J Clin Oncol 27:15s, 2009.* Authors : Thomas D., Chawla S.P., et al.
- 40. Phase I/II Study of TH-302 Combined with Doxorubicin in Soft Tissue Sarcoma (STS): Preliminary Results.** *Submitted CTOS 2009.* Authors: K.N. Ganjoo, L.D. Cranmer, S. Kroll, V.K. Langmuir, S.P. Chawla.
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- 42. A study of Palifosfamide in Combination with Doxorubicin: Safety and Preliminary Efficacy;** CTOS 2008. IPM 1002 Study. *November 13-15, 2008. Abstract # 35011.* Authors: S.P. Chawla, L. Camacho, V.S. Chua, G. Abbadessa, B. Schwarz.
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- 44. Phase II Study of Pathotropic Nanoparticles Bearing a Cytocidal Cyclin G1 Construct (Rexin-G) Reveals Significant Anti-Tumor Activity with No Toxicity in Chemo-Resistant Metastatic Osteosarcoma;** CTOS 2008. C07-110 Study. *November 13-15, 2008. Abstract # 34960.* Authors: S.P. Chawla, V.S. Chua, A. Kalra, D. Quon, K. Beltran, A. Saralou, K.Y. Kita, F.L. Hall, E.M. Gordon.
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**Sarcoma**; CTOS 2008. 20060324 study. November 13-15, 2008. Abstract # 34845. Authors: J.Y. Blay, S.Chawla, et al.

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### **Poster Presentations**

1. **Randomized Phase III Trial of Trabectedin versus Doxorubicin-based Chemotherapy as First Line Therapy in Translocation-Related Sarcomas.** *ASCO Annual Meeting, Chicago, May 31-June 4, 2013.* Andrew Hendifar, Sant P. Chawla, Michael Gordon Leahy, Antoine Italiano, Shreyaskumar Patel, Peter Hohenberger, Armando Santoro, Arthur P. Staddon, Nicolas Penel, Sophie Piperno-Neumann, George D. Demetri, Larry Hayward, Jeff White, Launce G. Gou, Bernardo Miguel-Lillo, Pilar Lardelli, Arturo Soto-Matos, Antonio Nieto, Jean-Yves Blay.

2. **14 Day Continuous Infusion High Dose Ifosfamide in Adolescent and Adult Sarcoma Patients, an Updated Analysis.** *CTOS Annual Meeting, Prague, Czech Republic, November 14-17, 2012.* Harsha Rajashekaraiah, Andrew Hendifar, Victoria Chua, Doris Quon, Lita Fernandez, Kristen Ganjoo, Kamallesh Sankhala, Vivek Narasimhan, David Shin, Monish Sodhi, Alison Bonk, Pritesh Chaudhari, and Sant Chawla.

3. **Lo Dose Gemcitabine, Doxorubicin, and Docetaxel Combination in Patients with Advanced, Unresectable and/or Metastatic Sarcoma Who had Failed Prior Chemotherapy, an Updated Analysis.** *CTOS Annual Meeting, Prague, Czech Republic, November 14-17, 2012.* Vivek Narasimhan, Andrew Hendifar, Victoria Chua, Doris Quon, Lita Fernandez, Harsha Rajashekaraiah, David Shin, Alison Bonk, Monish Sodhi, Pritesh Chaudhari and Sant Chawla.

4. **INNO-206 is an active drug for relapsed advanced soft tissue sarcoma.** *37<sup>th</sup> ESMO Congress, Vienna, Austria, September 28 – October 2, 2012.* S. Chawla, V.S. Chua, A. Hendifar, D. Quon, S. Nagre, K.N. Ganjoo, K. Sankhala, Y. Lavinski, S. Wieland, D. Levitt.

5. **14 Day Continuous Infusion High-Dose Ifosfamide in Adolescent and Adult Sarcoma Patients.** *ASCO Annual Meeting, Oct, 2011.* Andrew Hendifar, Shelly Chawla, Sandeep Nagre, Vicky Chua, Lita Fernandez, Bartosz Chmielowski, James Hu, and Sant Chawla.

6. **A Phase 2 Dose Expansion of TH-302 in combination with Doxorubicin in Advanced soft Tissue Sarcoma.** *ASCO Annual Meeting, June 3-7, 2011.* Chawla S.P. et al.